User's Manual

EZ-2000 Plus/EZ-6000 Plus

GODEX

P/N. 920-011911-01
Rev. B, 07.2007

FCC COMPLIANCE STATEMENT
FOR AMERICAN USERS

This equipment has been tested and found to comply with the limits for a CLASS A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at own expense.

EMS AND EMI COMPLIANCE STATEMENT
FOR EUROPEAN USERS

This equipment has been tested and passed with the requirements relating to electromagnetic compatibility based on the standards EN 55022:1998+A1:2000+A2:2003, CISPR 22 , Class A EN 55024:1998+A1:2001+A2:2003, IEC 61000- 4 Series EN 61000-3-2 / 2000 & EN 61000-3-3 / 1995. The equipment also tested and passed in accordance with the European Standard EN55022 for the both Radiated and Conducted emissions limits.

EZ PLUS SERIES
TO WHICH THIS DECLARATION RELATES
IS IN CONFORMITY WITH THE FOLLOWING STANDARDS

EN55022 : 1998,CLSPR 22, Class A / EN55024 : 1998IEC 61000-4 Serial / EN61000-3-2 : 2000 / EN 6100-3-3 : 1995 / CFR 47, Part 15/CISPR 22 3rd Edition : 1997, Class A / ANSI C63.4 : 2001 / CNS 13438 / IEC60950-1 : 2001 / GB4943 : 2001 / GB9254 : 1998 / GB17625.1 : 2003 /EN60950-1 : 2001

CAUTION
Danger of explosion if battery is incorrectly replaced
Replace only with the equivalent type recommended by the manufacture.
Dispose of used batteries according to the manufacturer’s instructions.

Specifications are subject to change without notice.

Safety Instructions

Bitte die Sicherheitshinweise sorgfältig lesen und für später aufheben.

1. Die Geräte nicht der Feuchtigkeit aussetzen.

2. Bevor Sie die Geräte ans Stromnetz anschließen, vergewissern Sie Sich, dass die Spannung des Geräts mit der Netzspannung übereinstimmt.

3. Nehmen Sie das Gerät bei Überspannungen (Gewitter) vom Netz. Das Gerät könnte sonst Schaden nehmen.

4. Sollte versehentlich Flüssigkeit in das Gerät gelangen, so ziehen sofort den Netzstecker. Anderenfalls besteht die Gefahr eines lebensgefährlichen elektrischen Schlags.

5. Wartungs- und Reparaturarbeiten dürfen aus Sicherheitsgründen nur von autorisierten Personen durchgeführt werden.

6. Bei Wartungs- und Reparaturarbeiten müssen die Sicherheitsvorschriften der zuständigen Berufsverbände und Behörden unbedingt eingehalten werden.

7. Bei Verletzungen unbedingt den Arzt aufsuchen und die gegebenenfalls die zuständigen Stellen benachrichtigen. Unterlassung kann zum Verlust der Versicherungsleistungen führen.

Safety Instructions

Please read the following instructions seriously.

1. Keep the equipment away from humidity.

2. Before you connect the equipment to the power outlet, please check the voltage of the power source.

3. Disconnect the equipment from the voltage of the power source to prevent possible transient over voltage damage.

4. Don’t pour any liquid to the equipment to avoid electrical shock.

5. ONLY qualified service personnel for safety reason should open equipment.

6. Don’t repair or adjust energized equipment alone under any circumstances. Someone capable of providing first aid must always be present for your safety

7. Always obtain first aid or medical attention immediately after an injury. Never neglect an injury, no matter how slight it seems.

1. BARCODE PRINTER 5

1-1. Printer Accessories 5

1-2. General Specifications 5

1-3. Communication Interface 8

1-4. Printer Parts 11

2. PRINTER INSTALLATION 14

2-1. Label Installation 14

2-2. Ribbon Installation 17

2-3. PC Connection 19

2-4. Driver Installation 20

3. ACCESSORY 21

3-1. Internal Rewinder for EZ-2000 Plus 21

3-2. Rewind Bracket Installation for EZ-2000 Plus 23

3-3. Stripper Installation for EZ-2000 Plus 25

3-4. Cutter Installation 27

3-5. Parallel/PS2 Adapter Installation 29

4. CONTROL PANEL 31

4-1. Control Panel Introduction 31

4-2. Control Keys Introduction 32

4-3. Setting mode 34

4-4. Self-Test 39

4-5. Dump Mode 40

4-6. Auto Sensing 40

4-7. Error Messages 41

5. MAINTENANCE AND ADJUSTMENT 43

5-1. Print Head Module Installation / Removal Instruction 43

5-2. TPH Print Line Adjustment 44

5-3. Ribbon Tension Adjustment 45

5-4. Thermal Print Head Cleaning 46

5-5. Print Head Balance and Pressure Adjustment 47

5-6. Ribbon Shield Adjustment 48

5-7. Adjust the Cutter 49

5-8. CF Card Instruction 49

5-9. Troubleshooting 50

APPENDIX 51

1. EZ-2000 Plus Certifications 51

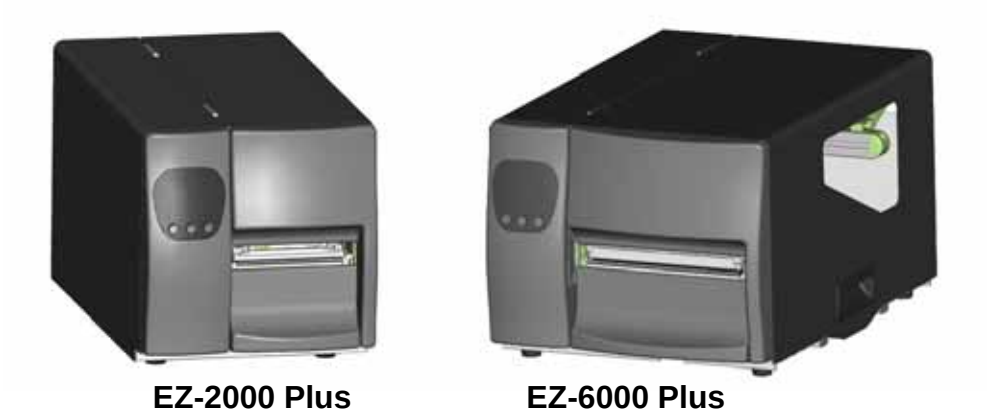
2. EZ-6000 Plus Certifications 58

1. Barcode Printer

1-1. Printer Accessories

After unpacking, please check the accessories that come with the package, and store appropriately.

- Barcode printer
- Power cable
- USB Cable
- Label Roll Sample
- Ribbon
- Empty Ribbon Roll
- Quick Start Guide
- CD (includes label editing software QLabel / Manual)



EZ-2000 Plus **EZ-6000 Plus**

1-2. General Specifications

Model	EZ-2100 Plus	EZ-2200 Plus	EZ-2300 Plus
Resolution	203 dpi (8 dot/mm)		300 dpi (12 dot/mm)
Print Mode	Thermal Transfer / Direct Thermal		
CPU	32 Bit		
Memory	4MB Flash, 16MB SDRAM		
Print Speed	2 IPS ~ 6 IPS	2 IPS ~ 7 IPS	2 IPS ~ 6 IPS
Print Length	Min 13mm (0.51”), Max 4572mm (180”)		Min 13mm (0.51”), Max 2159mm (85”)
Print Width	104 mm (4.09”)		
Sensor Type	Adjustable transmissive sensor and reflective sensor; left aligned		
Sensor Detection	Type: Label gap and black mark sensing. Detection: Label length auto sensing or program command setting		
Media	Label Roll: Max. 203mm (8.0”) with 76.2mm (3”) ID core Core Diameter: 38.1mm (1.5”) ~ 76.2mm (3”) Width (Tear): 25.4mm (1“) ~ 118.0mm (4.64”) Width (Cutter): Max. 117mm (4.61”) Width (Stripper/Rewind): 25.4mm (1“) ~ 118.0mm (4.64”) Thickness: 0.06~0.25mm		
Ribbon	Length: 450 m (1471 ft) Type: transfer ribbons (wax, hybrid, and resin) in widths of 30 to 110 mm (1.18” to 4.33”). Auto ink inside and ink outside. Core inner diameter 25.4 mm (1”). Max. Ribbon roll diameter 76 mm (2.99“).		
Printer Language	EZPL (Firmware downloadable)		
Software	Application: QLabel-IV(EZPL only) DLL & Driver: Microsoft Windows NT 4.0, 2000 and XP		

Resident Fonts	11 resident Windows bit mapped fonts (6,8,10,12,14,18,24,30,16X26,OCR A & B); can be rotated in 8 orientations and expandable 8 times horizontally and vertically. Scalable Font in 4 orientations.	
Fonts Download	Windows bit mapped font: can be rotated in 8 orientations and expandable 8 times horizontally and vertically. Asian font: can be rotated in 4 orientations and expandable 8 times horizontally and vertically. True Type Font: can be rotated in 4 orientations.	
Image Handling	Support BMP and PCX. Support ICO, WMF, JPG, EMF file through software. Support image resize, rotating, mapping and inverse through software.	
Barcodes	Code 39, Code 93, Code 128 (subset A, B, C), UCC/EAN-128 K-Mart, UCC/EAN-128, UPC A / E (add on 2 & 5), I 2 of 5, I 2 of 5 with Shipping Bearer Bars, EAN 8 / 13 (add on 2 & 5), Codabar, Post NET, EAN 128, DUN 14, MaxiCode, HIBC, Plessey, Random Weight, Telepen, FIM, China Postal Code, RPS 128, PDF417, Datamatrix code & QR code	
Interfaces	Serial port: RS-232 (Baud rate : 4800 ~ 115200 , Xon/Xoff , DSR/DTR) USB port: V2.0 CF card socket	
Control Panel	Three single-color LEDs: Power, Ribbon, Media Three control keys: FEED, PAUSE, CANCEL	Back-lit LCD Display:128x64dots Graphic LCD. Three single-color LEDs: Power, Ribbon, Media Three control keys: FEED, PAUSE, CANCEL
Power	100/240VAC, 50/60 Hz	
Real Time Clock	Standard	
Environment	Operation: 41°F to 104°F (5°C to 40°C) Storage: -4°F to 122°F (-20°C to 50°C)	
Cert. Approval	BSMI,CE, FCC Class A, CB, cUL, GS, CCC	
Humidity	Operation: 30-85%, non-condensing. Free air. Storage: 10-90%, non-condensing. Free air.	
Printer Dimension	Length: 512 mm (20.15”) Height: 291 mm (11.45”) Width: 274 mm (10.78”) Weight: 15 Kg	
Options	Cutter Internal re-winder Ethernet Adapter Parallel/PS2 Adapter Applicator Interface (1 input, 3 outputs, power 500mA @ 5V)	

Specifications are subject to change without notice.

Model	EZ-6200 Plus	EZ-6300 Plus
Resolution	203 dpi (8 dot/mm)	300 dpi (12 dot/mm)
Print Mode	Thermal Transfer / Direct Thermal	
CPU	32 Bit	
Memory	4MB Flash, 16MB SDRAM	
Print Speed	2 IPS ~ 6 IPS	2 IPS ~ 4 IPS
Print Length	Min 13mm (0.51”), Max 3000mm(118”)	Min 13mm (0.51”), Max 1371mm (54”)
Print Width	168 mm (6.61”)	
Sensor Type	Adjustable transmissive sensor and reflective sensor; left aligned	
Sensor Detection	Type: Label gap and black mark sensing. Detection: Label length auto sensing or program command setting	
Media	Label Roll: Max. 203mm (8.0”) with 76.2mm (3”) ID core Core Diameter: 38.1mm (1.5”) ~ 76.2mm (3”) Width (Tear): 50.8 mm (2“) ~ 178.0mm (7”) Width (Cutter): Max. 165mm (6.5”) Width (Heavy duty cutter): Max. 172mm (6.8”) Width (Stripper/Rewind): 50.8 mm (2“) ~ 178.0mm (7”) Thickness: 0.06~0.25mm	

Ribbon	Length: 450 m (1471 ft) Type: transfer ribbons (wax, hybrid, and resin) in widths of 60 to 174 mm (2.36" to 6.85"). Auto ink inside and ink outside. Core inner diameter 25.4 mm (1"). Max. ribbon roll diameter 76mm (2.99").
Printer Language	EZPL (Firmware downloadable)
Software	Application: QLabel-IV(EZPL only) DLL & Driver: Microsoft Windows, NT 4.0, 2000 and XP.
Resident Fonts	11 resident Windows bit mapped fonts (6,8,10,12,14,18,24,30,16X26,OCR A & B); can be rotated in 8 orientations and expandable 8 times horizontally and vertically. Scalable Font in 4 orientations.
Fonts Download	Windows bit mapped font: can be rotated in 8 orientations and expandable 8 times horizontally and vertically. Asian font: can be rotated in 4 orientations and expandable 8 times horizontally and vertically. True Type Font: can be rotated in 4 orientations.
Image Handling	Support BMP and PCX. Support ICO, WMF, JPG, EMF file through software. Support image resize, rotating, mapping and inverse through software.
Barcode	Code 39, Code 93, Code 128 (subset A, B, C), UCC/EAN-128 K-Mart, UCC/EAN-128, UPC A / E (add on 2 & 5), I 2 of 5, I 2 of 5 with Shipping Bearer Bars, EAN 8 / 13 (add on 2 & 5), Codabar, Post NET, EAN 128, DUN 14, MaxiCode, HIBC, Plessey, Random Weight, Telepen, FIM, China Postal Code, RPS 128, PDF417, Datamatrix code & QR code
Interface	Serial port: RS-232 (Baud rate : 4800 ~ 115200 , Xon/Xoff , DSR/DTR) USB port: V2.0 CF card socket
Control Panel	Back-lit LCD Display:128x64dots Graphic LCD. Three single-color LED lamps: Power, Ribbon, Media Three control keys: FEED, PAUSE, CANCEL
Power	100/240VAC, 50/60 Hz
Real Time Clock	Standard
Environment	Operation: 41°F to 104°F (5°C to 40°C) Storage: -4°F to 122°F (-20°C to 50°C)
Humidity	Operation: 30-85%, non-condensing. Free air. Storage: 10-90%, non-condensing. Free air.
Cert. Approval	BSMI,CE, FCC Class A,CB,cUL,GS,CCC
Printer Dimension	Length: 516mm (20.31") Height: 285 mm (11.22") Width: 345 mm (13.58") Weight: 16.7 Kg
Options	Cutter Stripper sensor (with internal re-winder) Ethernet Adapter Parallel & PS2 Adapter Applicator Interface (digit in * 1, digit out *3, 5V*1/500mA)

Specifications are subject to change without notice.

1-3. Communication Interface

Parallel Interface

Handshake : DSTB connects to the printer, BUSY connects to the host

Interface cable : Parallel cable compatible to IBM PC

Pin out : See below

PIN NO.	FUNCTION	TRANSMITTER
1	/Strobe	host / printer
2-9	Data 0-7	host
10	/Acknowledge	printer
11	Busy	printer
12	/Paper empty	printer
13	/Select	printer
14	/Auto-Linefeed	host / printer
15	N/C	
16	Signal Gnd	
17	Chasis Gnd	
18	+5V,max 500mA	
19-30	Signal Gnd	host
31	/Initialize	host / printer
32	/Error	printer
33	Signal Ground	
34-35	N/C	
36	/Select-in	host / printer

Serial Interface

Serial Default Setting : 9600 baud rate、no parity、8 data bits、1 stop bit、XON/XOFF protocol and RTS/CTS。

RS232 HOUSING (9-pin to 9-pin)

DB9 SOCKET		DB9 PLUG
---	1 ——— 1	+5V,max 500mA
RXD	2 ——— 2	TXD
TXD	3 ——— 3	RXD
DTR	4 ——— 4	N/C
GND	5 ——— 5	GND
DSR	6 ——— 6	DTR
RTS	7 ——— 7	CTS
CTS	8 ——— 8	RTS
RI	9 ——— 9	N/C
PC		PRINTER

【Note】The total current output from parallel port and serial port altogether can not exceed 500mA.

USB Interface

Connector Type : Type B

PIN NO.	1	2	3	4
FUNCTION	VBUS	D-	D+	GND

PS2 Interface

PIN NO.	1	2	3	4	5	6
FUNCTION	DATA	N/C	GND	VCC	CLOCK	N/C

PS2 interface from PC to printer

Printer		Keyboard
DATA	1 — 1	DATA
N/C	2 — 2	N/C
GND	3 — 3	GND
VCC	4 — 4	VCC
CLOCK	5 — 5	CLOCK
N/C	6 — 6	N/C

Internal Interface

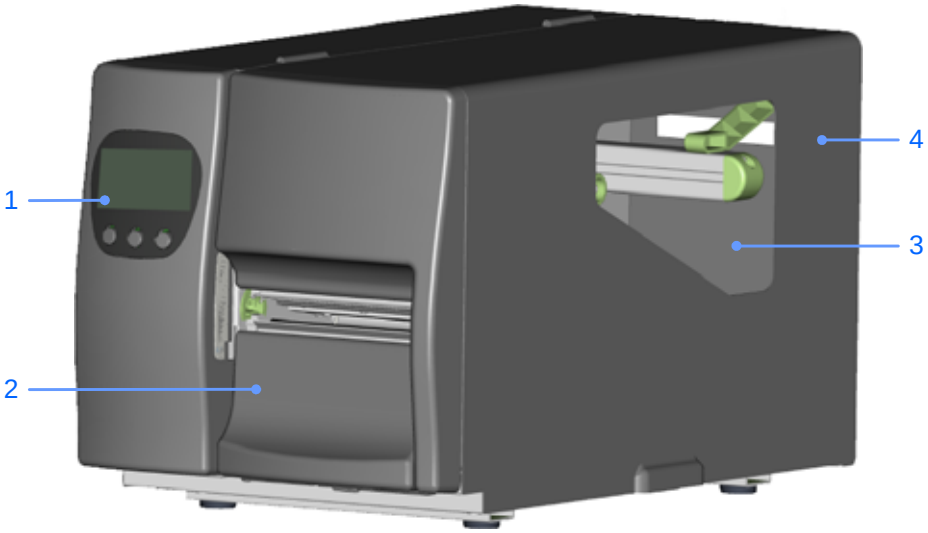
UART1 wafer		Ethernet module
N.C	1 — 1	N.C
TXD	2 — 2	RXD
RXD	3 — 3	TXD
CTS	4 — 4	RTS
GND	5 — 5	GND
RTS	6 — 6	CTS
E_MD	7 — 7	E_MD
RTS	8 — 8	CTS
E_RST	9 — 9	E_RST
+5V	10 — 10	+5V
GND	11 — 11	GND
+5V	12 — 12	+5V

UART2 wafer		Expansion module
N.C	1 — 1	N.C
TXD	2 — 2	RXD
RXD	3 — 3	TXD
CTS	4 — 4	RTS
GND	5 — 5	GND
RTS	6 — 6	CTS
N.C	7 — 7	N.C
RTS	8 — 8	CTS
N.C	9 — 9	N.C
+5V	10 — 10	+5V
GND	11 — 11	GND
+5V	12 — 12	+5V

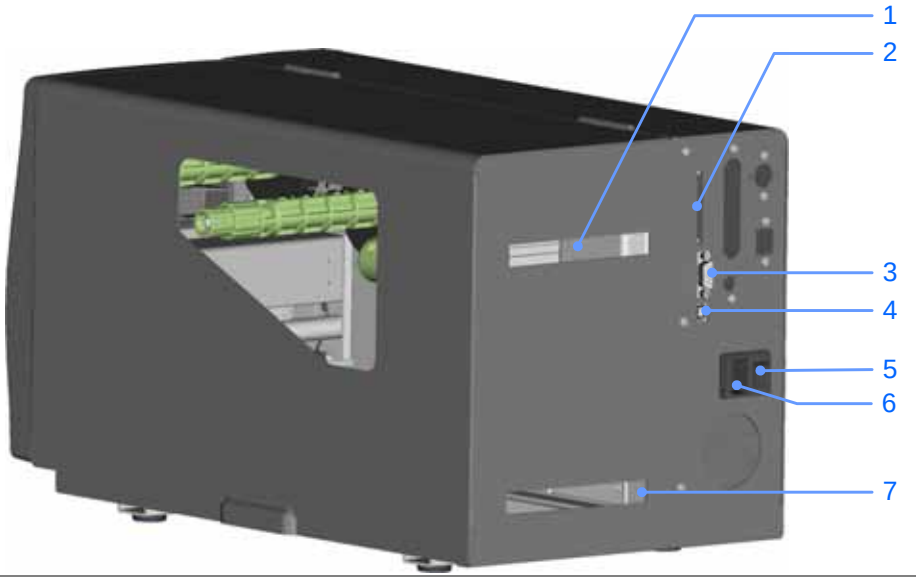
Applicator wafer			Applicator module
+5V	1	1	+5V
+24V	2	2	+24V
Printing (out)	3	3	Printing
Print error (out)	4	4	Print error
Printed (out)	5	5	Printed
Print (in)	6	6	Print
GND	7	7	GND
N.C	8	8	
GND	9	9	
N.C	10	10	

1-4. Printer Parts

Appearance



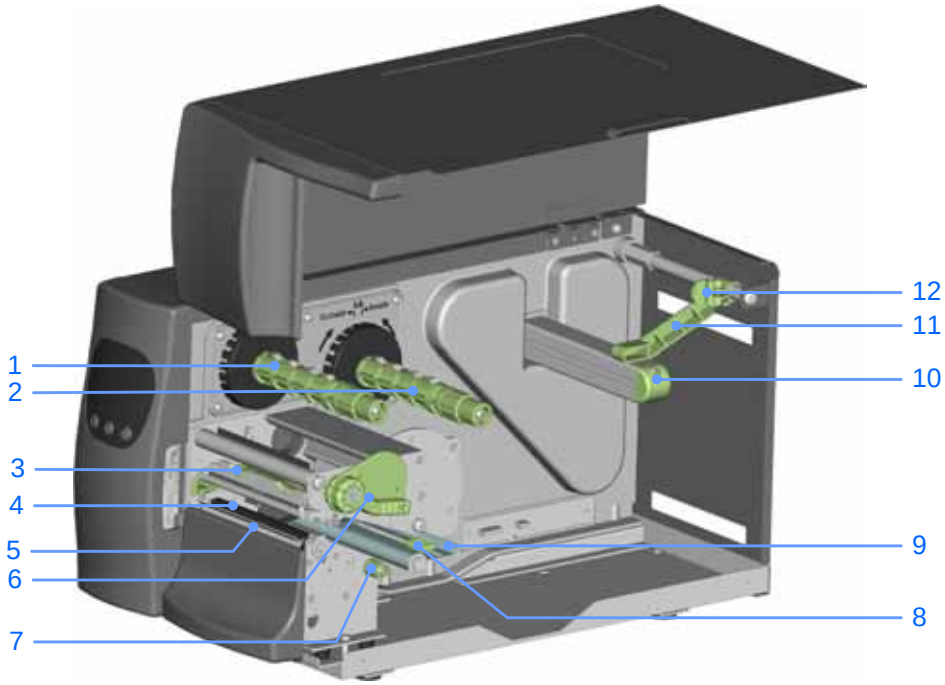
1.	Control panel
2.	Bottom Front Cover
3.	Observing Window
4.	Top Cover



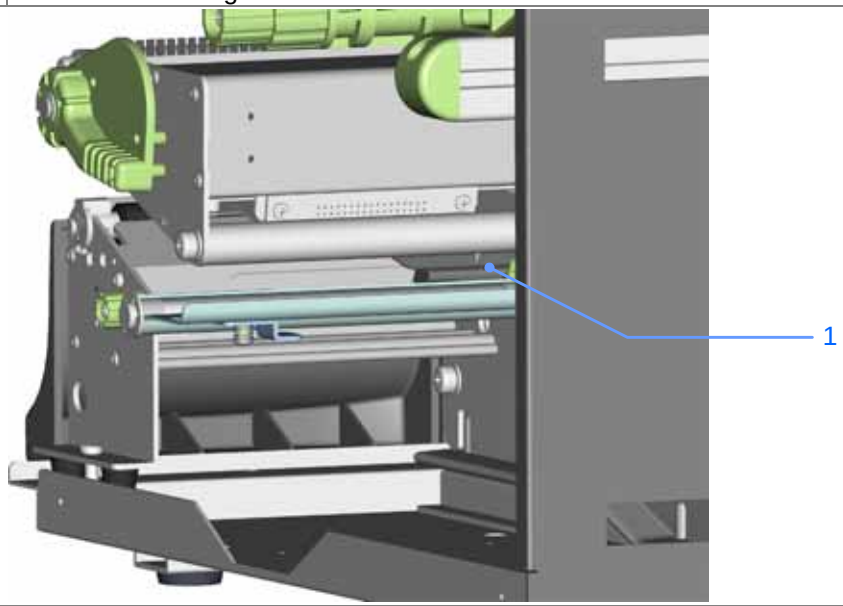
1.	Fan-Fold Label Insert
2.	CF Card Slot
3.	Serial Port *
4.	USB Port
5.	Power Switch
6.	Power Socket
7.	Fan-Fold Label Insert

* The communication ports may vary depending on product types.

Internal

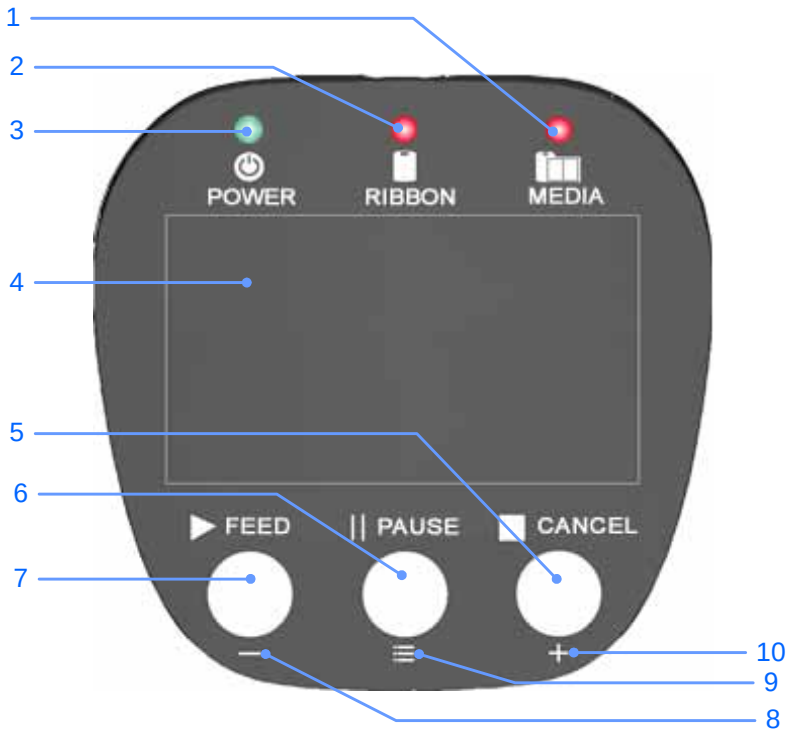


1.	Ribbon Rewind Shaft
2.	Ribbon Supply Shaft
3.	Printer Mechanism
4.	Platen
5.	Tear off Bar
6.	Print Head Lever
7.	Sensor Knob
8.	Label Guide
9.	Label Tension Plate
10.	Label Roll Bar
11.	Label Supply Guide
12.	Label Alignment Guide



1.	Movable sensor

Control Panel



1.	MEDIA LED
2.	RIBBON LED
3.	POWER LED
4.	LCD (Product type dependent)
5.	CANCEL Key
6.	PAUSE Key
7.	FEED Key
8.	MINUS (-) Key (In setting mode)
9.	MENU Key (In setting mode)
10.	PLUS (+) Key (In setting mode)

2. Printer Installation

This printer model has the following print modes:

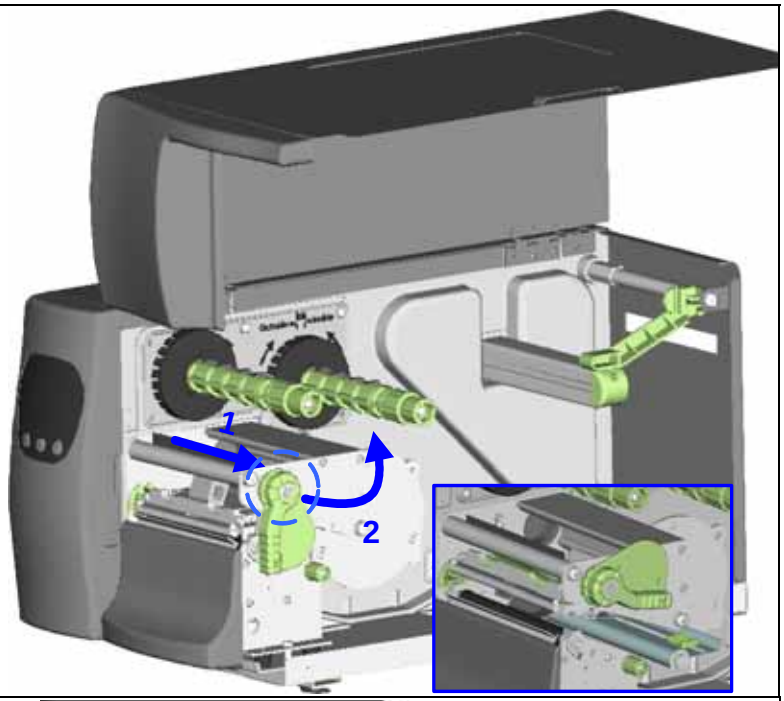
Thermal Transfer (TT)	When printing, ribbon must be installed to transfer the print contents onto the media.
Direct Thermal (DT)	When printing, no ribbon is necessary; it only requires direct thermal media.

Please check the specific print mode, and then go into the Setting Mode after power on the printer。

2-1. Label Installation

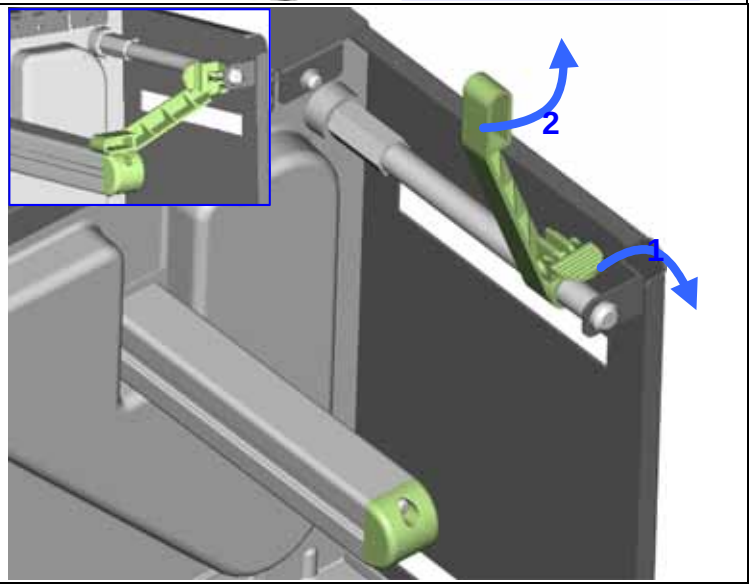
1. Place the printer on a horizontal surface, and open the top cover.

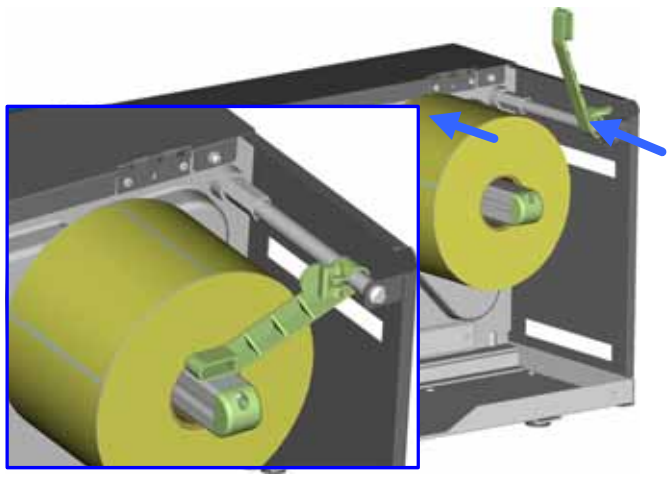
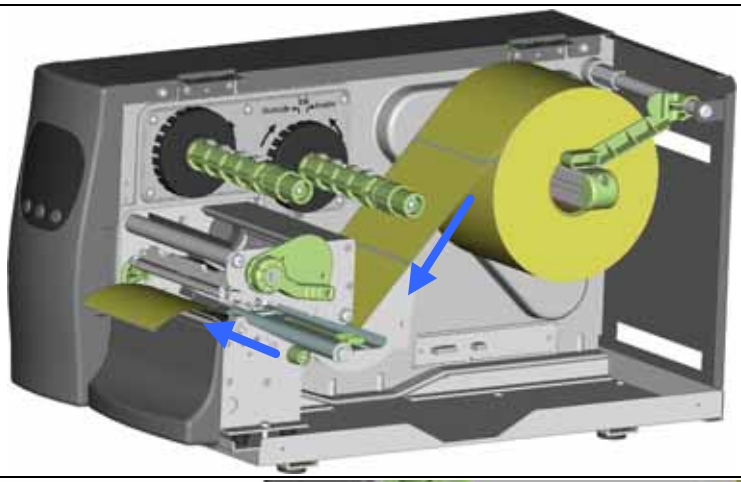
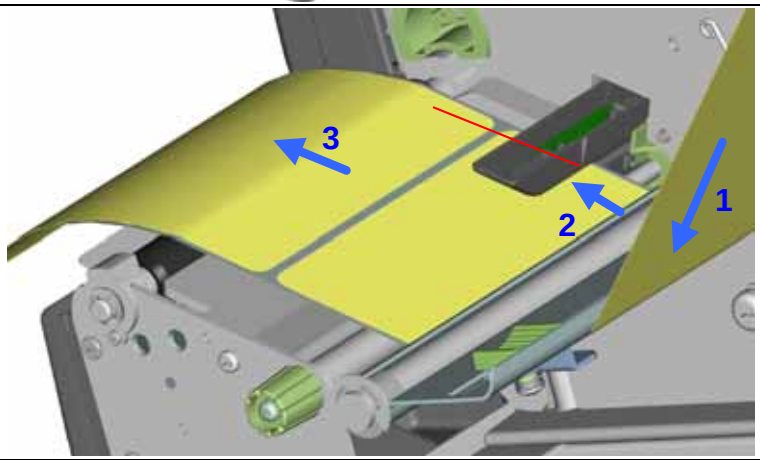
2. Follow the sequence and direction as the figure shows, pull the Print Head Lever out and flip it upward to the right.



3. Pull the Label Alignment Guide to the direction as the blue arrow 1 indicates.

4. Flip the Label Supply Guide upward as the blue arrow 2 indicates.



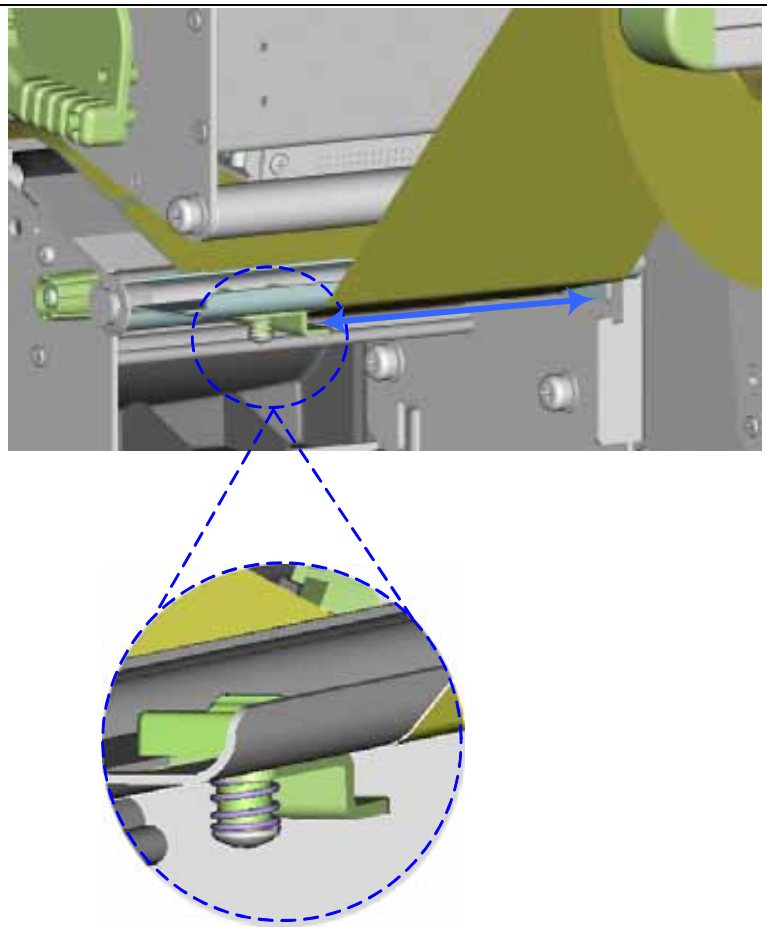
5. Place the label roll onto the Label Roll Bar and align the label to printer's inner wall. (To avoid the damage of media, please do not squeeze label roll too hard.) 6. Pull the Label Alignment Guide back and make it fit the edge of label roll. *【Note】* *Please always hold the bottom of the Label Alignment Guide when moving.*	
7. Follow the direction as the figure shows to feed the label.	
8. Put the label under the Moveable Sensor and stretch it to the Tear-Off Bar. *【Note】* *Moveable Sensor should be aligned to the position of label gap, black mark and punch hole. You can adjust the position with Moveable Sensor Lever.*	

9. Align the label edge inward, and fix the label outside in Label Guide. Adjust the Label Guide with the label.

【Note】
The Label should be put within Label Feed Guide as the figure shows.

10. Flip the Print Head Lever back to its original position.

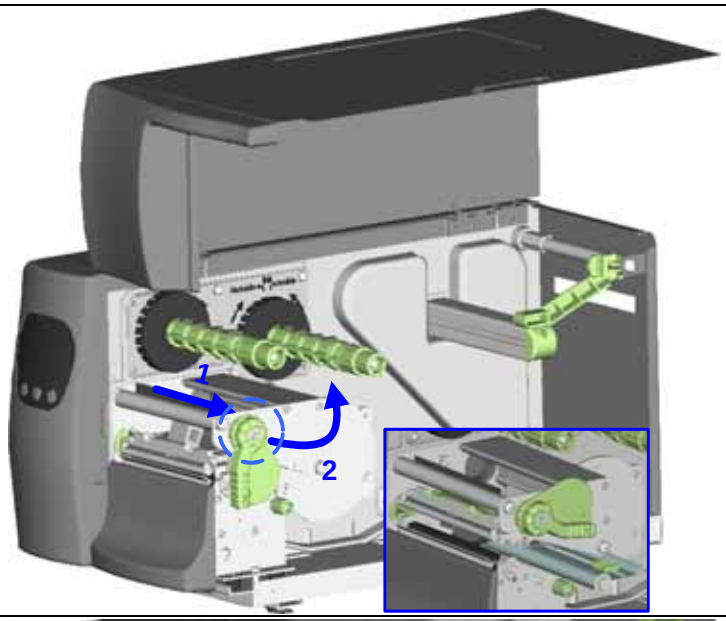
11. Close the top cover to complete the label installation.



2-2. Ribbon Installation

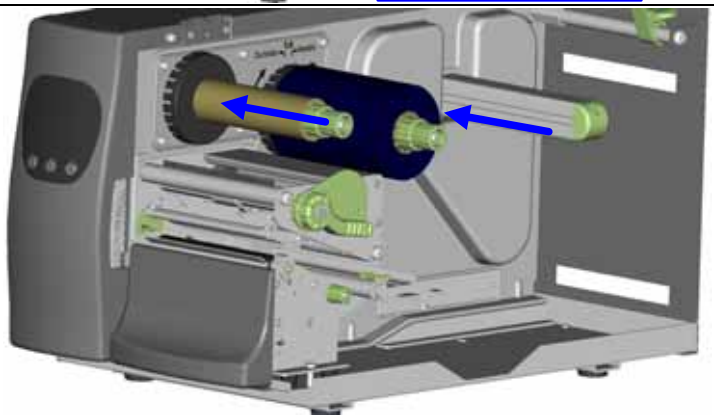
1. Place the printer on a horizontal surface, and open the top cover.

2. Follow the sequence and direction as the figure shows, pull the Print Head Lever out and flip it upward to the right.

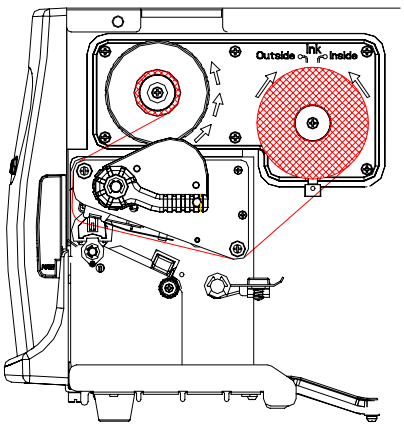


3. Place a new ribbon roll onto the Ribbon Supply Shaft and place the empty ribbon roll onto the Ribbon Rewind Shaft.

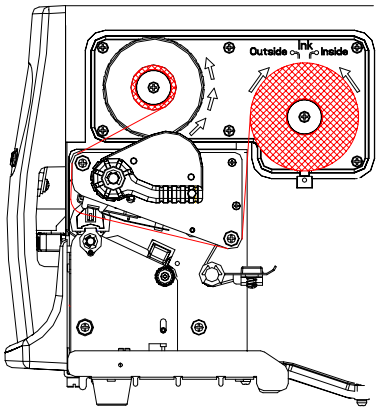
4. The right-bottom figure shows two different installing directions according to different types of ribbons.

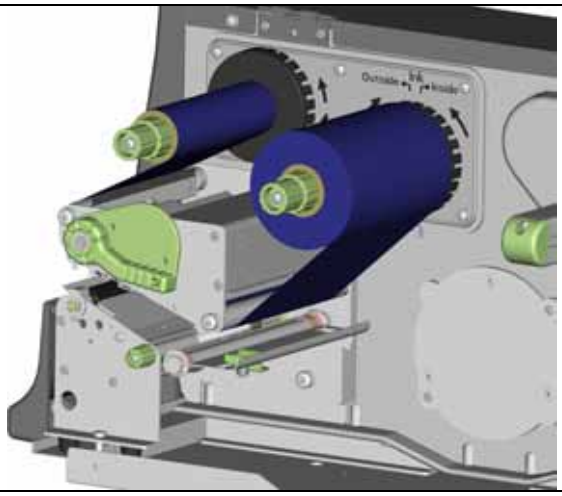


Ribbon outside installation
(ink outside the roll)



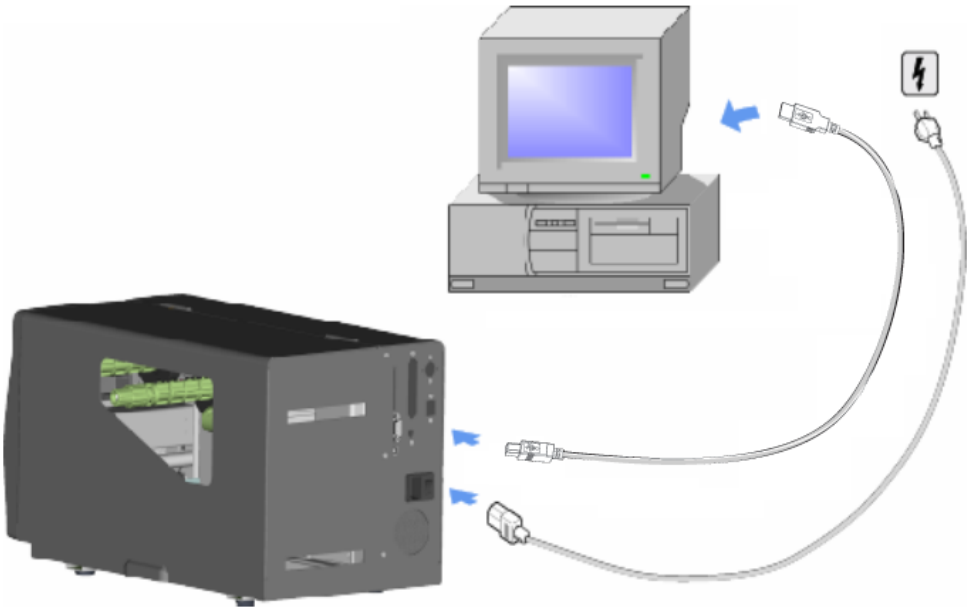
Ribbon inside installation
(ink inside the roll)



5. Feed the ribbon from the Ribbon Supply Shaft under the print head. Wrap the ribbon around the Ribbon Rewind Shaft and stick it onto the empty ribbon roll. *【Note】* *DO NOT feed the ribbon under the Moveable Sensor.*	

2-3. PC Connection

1. Please make sure the printer is powered off.
2. Take the power cable, plug the cable switch to the power socket, and then connect the other end of the cable to the printer power socket.
3. Connect the cable to the USB/parallel port on both side of printer and PC.
4. Power on the printer, the LCD display would show the printer model and F/W version.



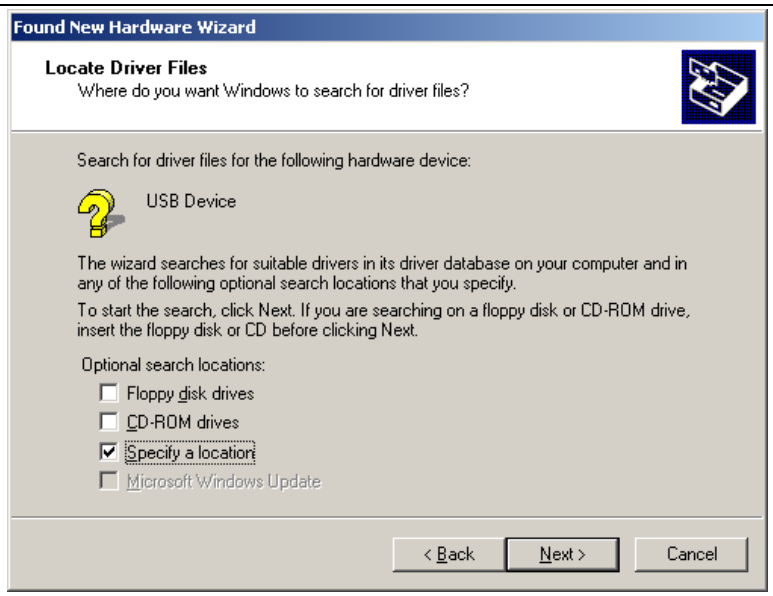
2-4. Driver Installation

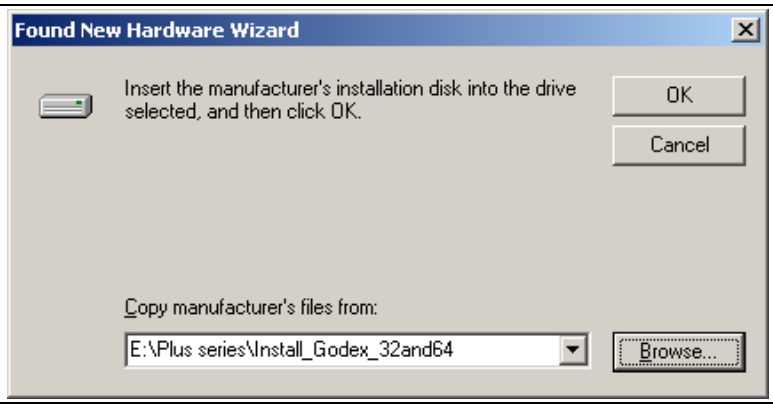
1. Once the USB cable is connected from PC to the printer, PC will automatically detect the new device and begin the installation process.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
Found New Hardware
USB Device
Installing ...
To continue, click Next.
< Back
Next >
Cancel

2. Insert the product CD, select 'Specify a location' and describe the path of the printer driver.

3. Follow the instruction on the Window and complete the driver installation.


Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
USB Device
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel



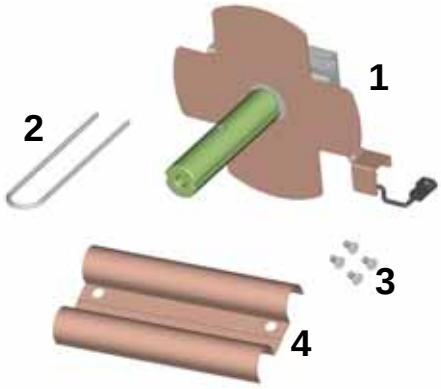
3. Accessory

3-1. Internal Rewinder for EZ-2000 Plus

1	Rewinder
2	U Shape Clip
3	Screw x 4pcs
4	Rewind bracket

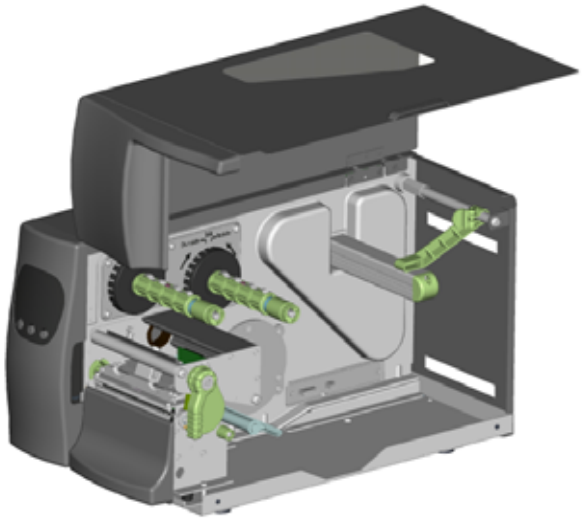
【Note】
Peel-off liner Max width: 118mm

【Suggestion】
Liner thickness:
0.06mm~0.25mm

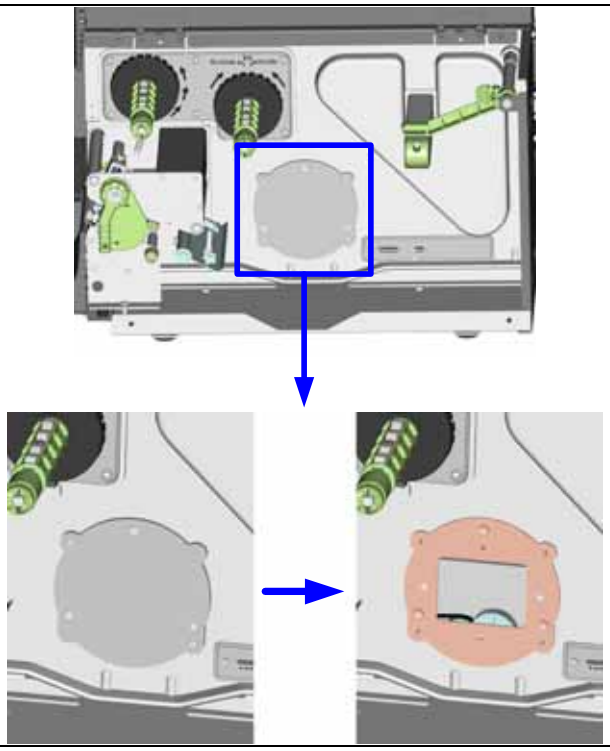


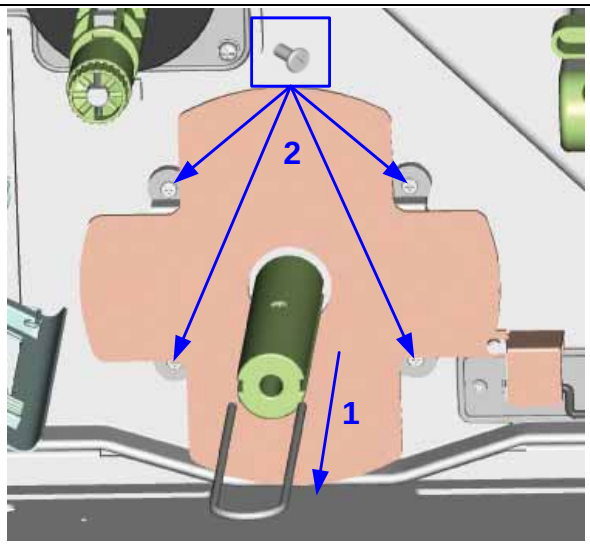
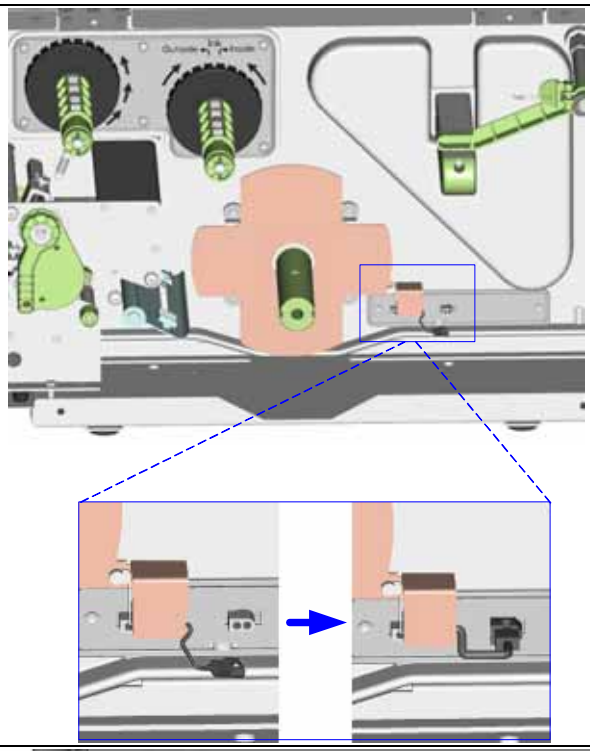
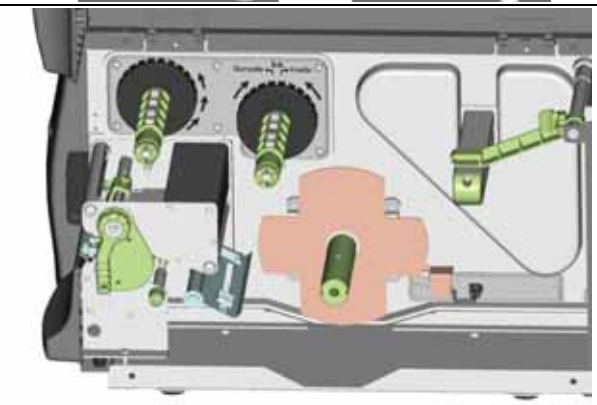
1. Place the printer onto a smooth surface, open the top cover and face the printer sideways.

【Note】
Before the installation, please power off the printer first.

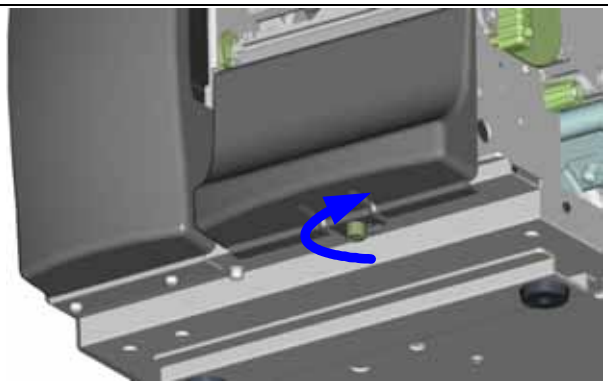
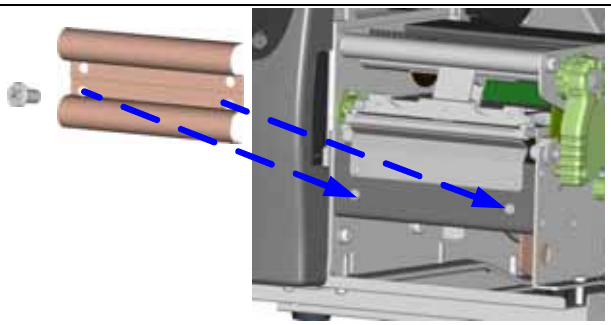


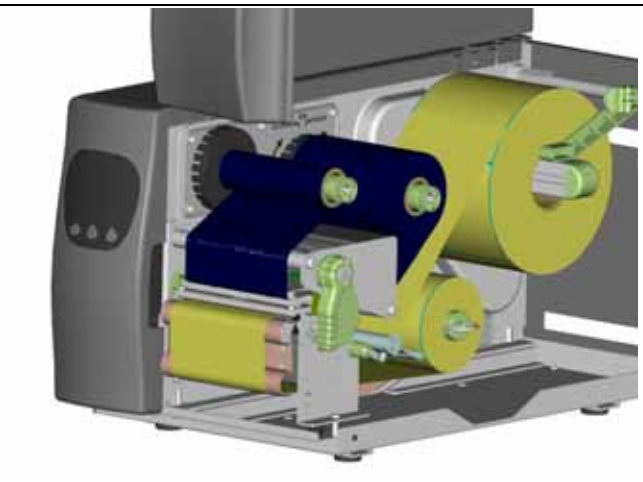
2. Turn the printer sideways and remove the Rewinder module cover plate.



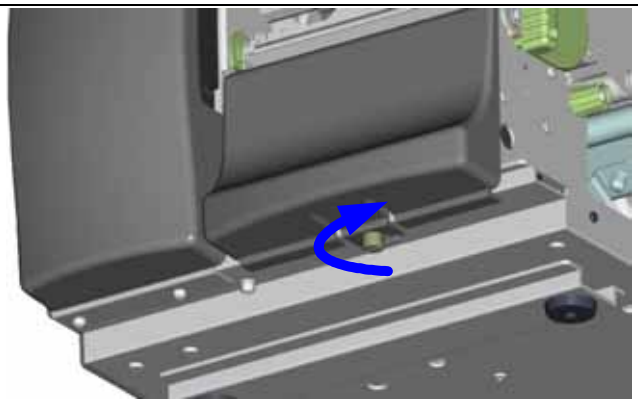
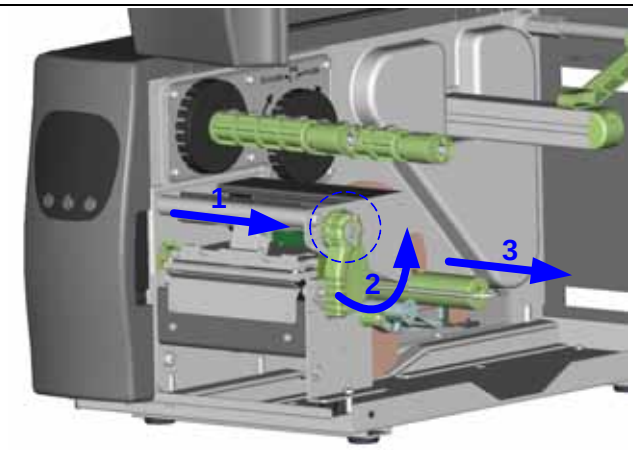
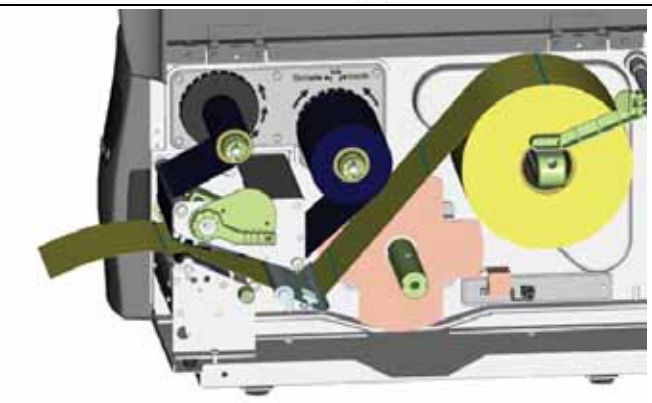
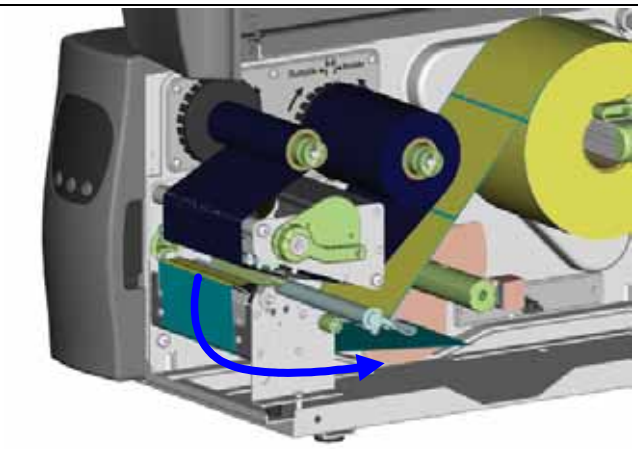
3. Take off the U Shape Clip from the Liner Rewind Shaft. 4. Secure the Rewinder unit onto the printer.	
5. After the Rewinder is installed, plug the Rewinder Cable Connector onto the Rewinder Connector.	
6. Rewinder Installation completes.	

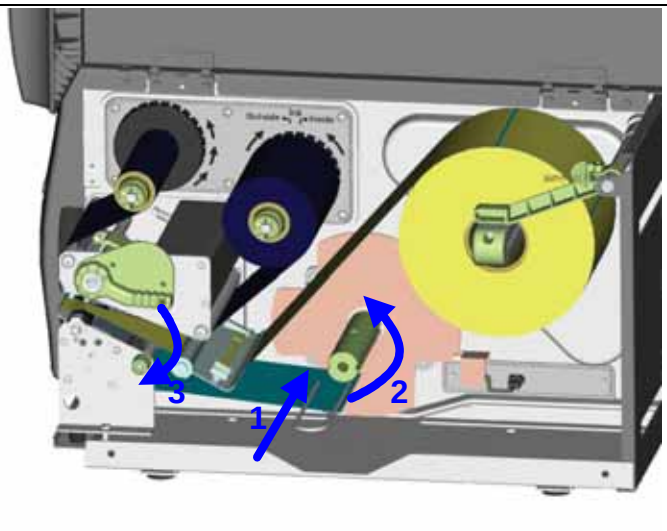
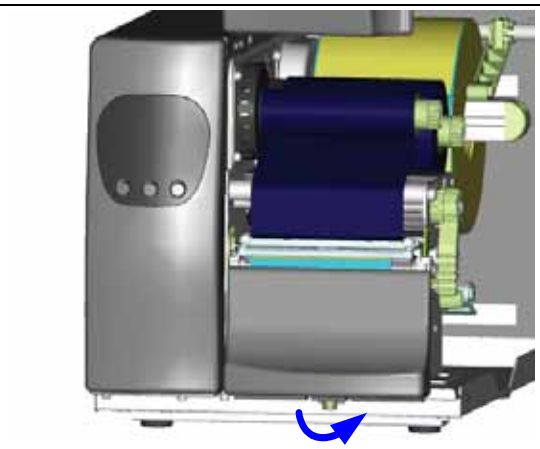
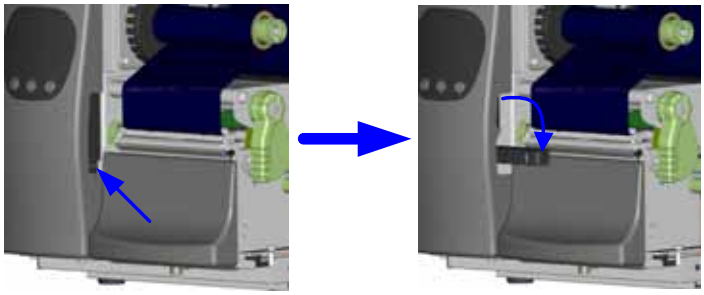
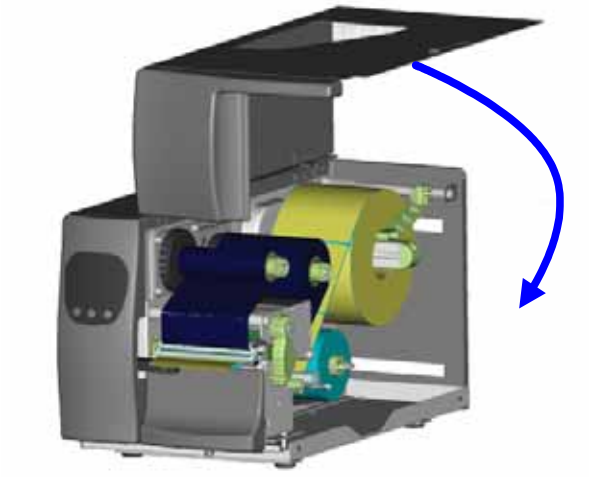
3-2. Rewind Bracket Installation for EZ-2000 Plus

1. Face the printer front, and unscrew the bottom cover screw. 2. Remove the bottom front Cover. *【Note】* *Before the installation, please power off the printer first.*	
3. Mount the label rewind bracket onto the printer mechanism and secure the screws into place.	
4. Label rewind bracket installation completes.	
5. Install the media into the printer. 6. Feed the label through the Printer Mechanism and around the Label Feed Guide. 7. Wrap the label around the Liner Rewinder Shaft, and use the U Shape Clip to secure the liner. *【Note】* *Make sure the label rewind is in correct direction.*	

8. Close the top cover to complete Label rewind bracket and Rewinder installation. *【Note1】* *Before starting to rewind labels, please make sure the printer's Label Rewind Bracket is installed properly as instructed.* *【Note2】* *When use stripper function, Please dismount the rewind bracket first.*	

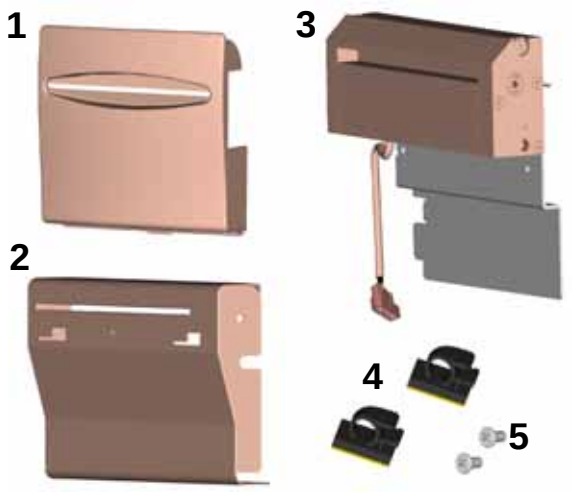
3-3. Stripper Installation for EZ-2000 Plus

1. Face the printer front, and unscrew clockwise the bottom front cover screw. 2. Remove the bottom front cover. *【Note】* *Before the installation, please power off the printer first*.	
3. After Rewinder installation complete, face the printer sideways. 4. Pull the print head lever out and flip it upward to the right. 5. Remove the U Shape Clip.	
6. Install the media into the printer. *【Note】 Label liner thickness is recommended to be 0.06mm ± 10% with basic weight 65g/㎡ ± 6%.* *【Suggestion】When using the stripper module, set the stop position to 12 in QLabel and the E value is 12.*	
7. Peel off a few labels from the liner (about 400mm of liner), and then feed the liner through the Printer Mechanism and around the Label Feed Guide.	

8. Wrap the liner around the Liner Rewinder Shaft, and use the U Shape Clip to secure the liner. 9. Flip the print head lever downward and then push it back to the original position. *【Note】* *Make sure the liner rewind is in correct direction.*	
10. Screw the bottom front cover back onto the printer.	
11. Press lower part of the stripper sensor to flip it open. 12. Flip the stripper sensor to the sensor detects position.	
13. Close the top cover to complete stripper installation.	

3-4. Cutter Installation

1	Cutter Cover (EZ-2000 Plus)
2	Cutter Cover (EZ-6000 Plus)
3	Cutter
4	Locks
5	Screws x 2pcs



【Note1】

Do not cut self-adhesive labels! The traces of adhesive will pollute the rotary knife and impair safe operation!

【Note2】

The service life of EZ-2000+ Cutter is 500,000 cuts with paper weights 160g/㎡,and 250,000 cuts with paper weights 200g/㎡.

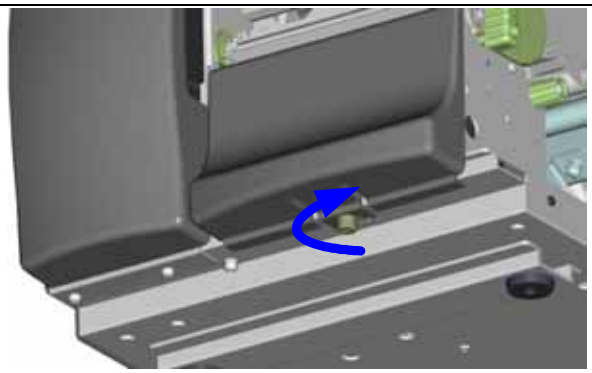
【Note3】

The service life of EZ-6000+ Cutter is 500,000 cuts.

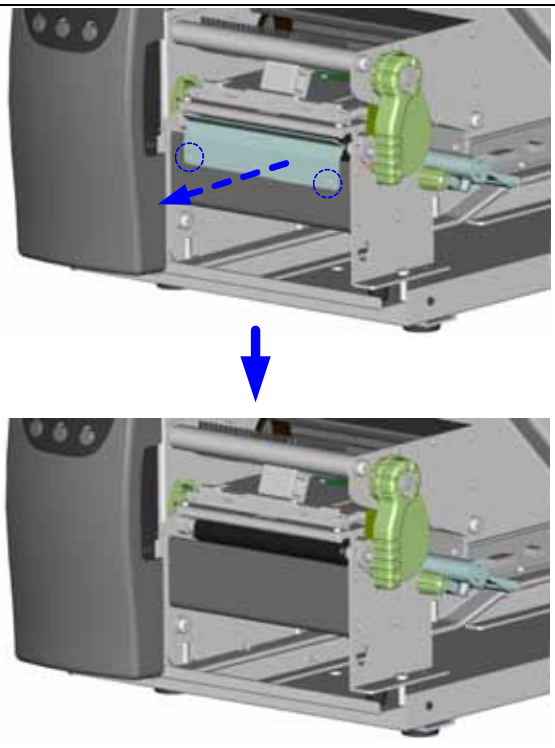
1. Face the printer, and unscrew the screw to remove the bottom front cover.

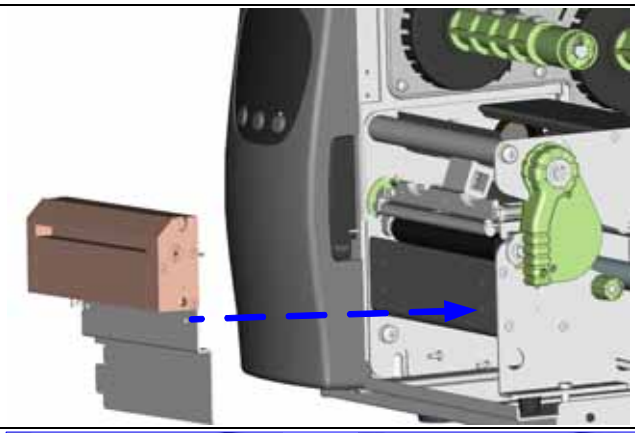
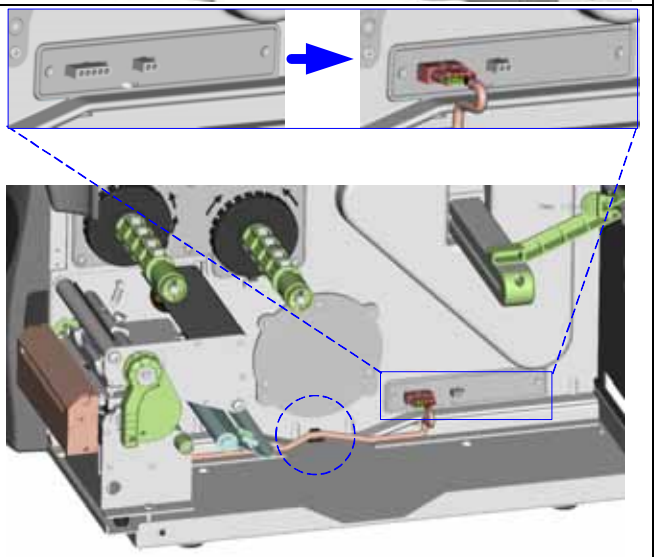
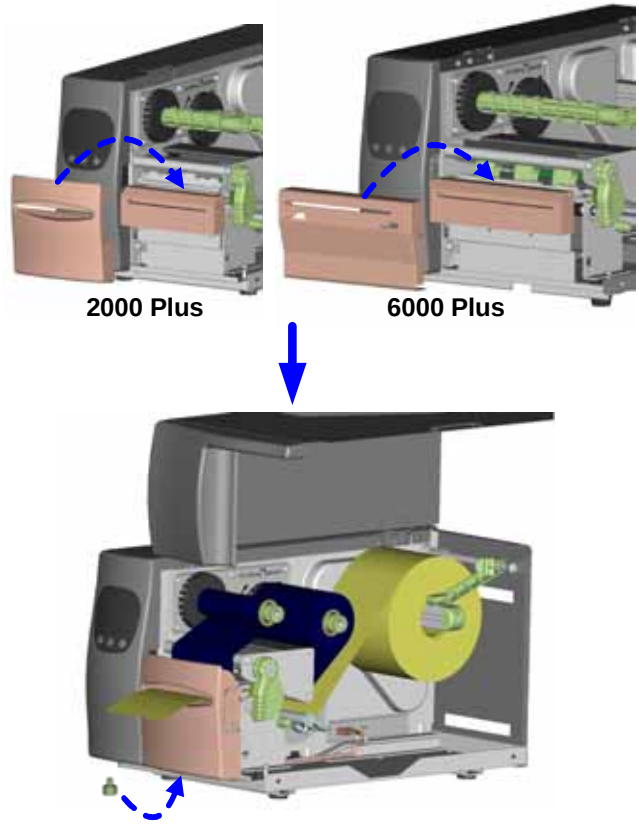
【Note】

Please power off the printer before installing the cutter module.



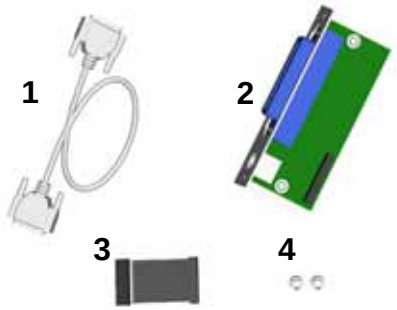
2. Open the top cover and unscrew the two screws in the front to remove the tear off bar.



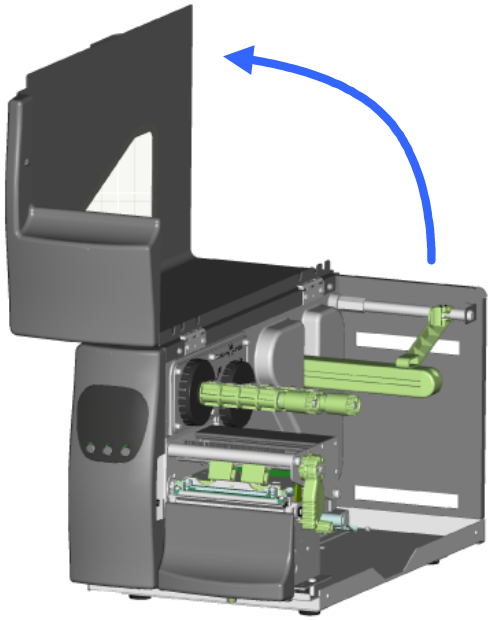
3. Hold the cutter and secure the cutter kit onto the printer.	
4. Plug the cutter cable connector onto the cutter connector. 5. Tie the cables with the secure locks, and stick the locks onto the bottom plate.	
6. Hang up the cutter cover to the cutter and screw the bottom cover screw. 7. Install the media into the printer. Close the Top Cover to complete the cutter installation. *【Note1】* *Make sure the printer is set to activate cutter function on.* *【Note2】* *The label / paper used for cutting is suggested to be at least 30mm in height.* *【Suggestion】* *When installing the cutter module, set the stop position to 26 (for EZ-2000+) or 30 (for EZ-6000+) in QLabel and the E value is 26 (for EZ-2000+) or 30 (for EZ-6000+).*	 **2000 Plus** **6000 Plus**

3-5. Parallel/PS2 Adapter Installation

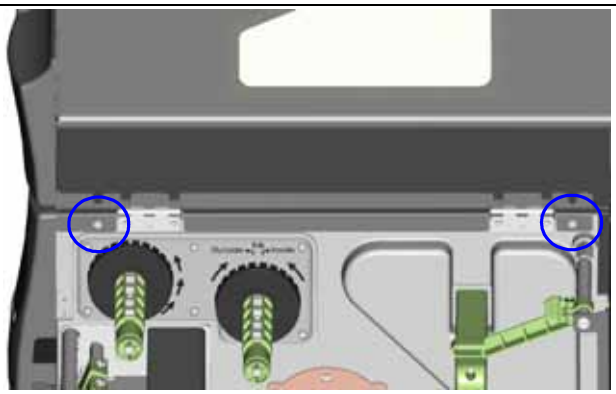
1	Parallel Cable
2	Parallel/PS2 Adapter
3	Connector Cable
4	Screw x 2pcs



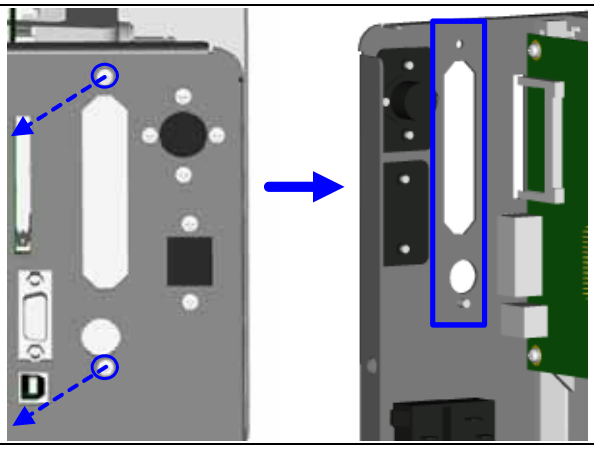
1. Make sure the power is off and the power cable is unplugged. Place the printer onto a smooth surface and open the top cover.

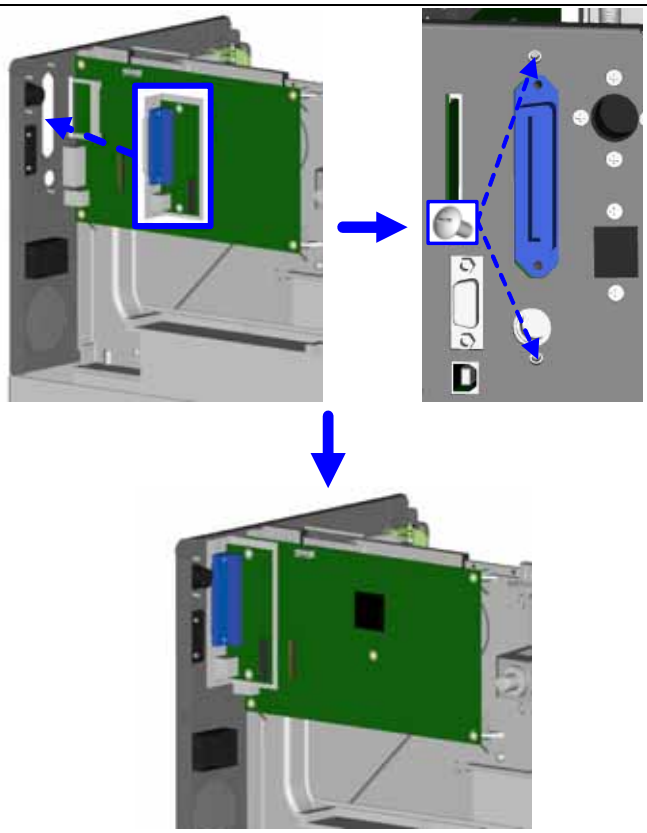
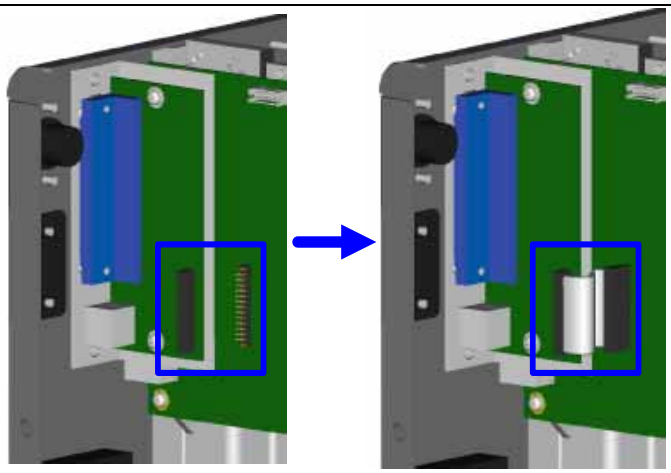


2. Unscrew two screws as indicated in figure and remove the left top cover from the printer.



3. Unscrew the screws of parallel port cover and remove the cover.



4. Align the Parallel/PS2 module to the parallel port and secure the module onto the back plate.	
5. Connect one end of the 30 pin connector cable to the main board and the other end to the Parallel/PS2 module.	
6. The Parallel/PS2 module installation is complete.	

4. Control Panel

4-1. Control Panel Introduction

Without LCD monitor

Control keys	
▷	FEED
❙❙	PAUSE
□	CANCEL
LED indicators	
Power	Power on
Ready(Power)	After turning on the power, the Ribbon and Media lights will flash alternately until the completion of initialization.
Ribbon	Ribbon status indication
Media	Media status indication

With LCD monitor

Control keys	
▷	FEED
❙❙	PAUSE
□	CANCEL
LED indicators	
Power	Power on
Ready(Power)	After turning on the power, the Ribbon and Media lights will flash alternately until the completion of initialization.
Ribbon	Ribbon status indication
Media	Media status indication

4-2. Control Keys Introduction

FEED Key

After pressing the FEED key, printer will send the media (according to media type) to the specified stop position. When printing with continuous media, pressing the FEED key will feed media out to a certain length. When printing labels, pressing the FEED key will feed one label at a time; if the label is not sent out in a correct position, please proceed with the Auto Sensing (see page40).

Pause Key

When pressing the Pause key in standby mode, the printer will go into the Pause Mode, and LCD Display will indicate “EZ-xxxx Vx.xxx Pause.” At this status, printer won’t be able to receive any command. Then pressing the Pause key once again, the printer will get out of the Pause mode and go back to standby mode.

Pressing the Pause key while printing, printer will pause the print job. When the Pause key is pressed one more time, the printer will continue with the rest of the print job. For example, if the print job contains 10 labels, press the Pause key to stop printing after 2 labels are printed. When pressing the Pause key again, printer will finish the printing of the remaining 8 labels.

Cancel Key

Pressing the Cancel key while printing, the LCD Display will show “Print job is cancelled”, it means the printer cancels the current print job. For example, if the print job contains 10 labels, press the Cancel key after 2 labels are printed, the remaining 8 labels won’t be printed, and the printer goes back to standby mode.

With different combinations of FEED PAUSE and CANCEL keys, the printer can perform various functions as follows:

Without LCD monitor

Item	Key	Beep	Description
Self test	+ Power on	3 beeps	Press and hold key and turn on the printer until the buzzer beeps 3 times.
Dump mode	+ Power on	3 beeps → 1 beep	After entering Self test Mode, keep holding key until the buzzer beep once.
Auto sensing	+ Power on	3 beeps	Press and hold key and turn on the printer until the buzzer beeps 3 times.
Go to default	+ + Power on	2 beeps twice	Press and hold & keys and turn on the printer until the buzzer beeps 2 times. The printer setting will go to default.
Download mode	+ Power on	1 beep	Press and hold key and turn on the printer until the buzzer beeps once. This mode is only for firmware downloading.
Setting mode		3 beeps	When Power on, press and hold key about 3 to 4 seconds until the buzzer beep 3 times.

With LCD monitor

Item	Key	Beep	LCD Message	Description
Self test	▷ + Power on	3 beeps	Self test	Press and hold ▷ key and turn on the printer until the buzzer beeps 3 times.
Dump mode	▷ + Power on	3 beeps → 1 beep	Now in Dump Mode	After entering Self test Mode, keep holding ▷ key until the buzzer beep once.
Auto sensing	❙❙ + Power on	3 beeps	Auto sensing Mode	Press and hold ❙❙ key and turn on the printer until the buzzer beeps 3 times.
Go to default	▷ + □ + Power on	2 beeps twice	Go to default	Press and hold ▷ & □ keys and turn on the printer until the buzzer beeps 2 times. The printer setting will go to default.
Download mode	□ + Power on	1 beep	DL MODE Vx.xx	Press and hold □ key and turn on the printer until the buzzer beeps once. This mode is only for firmware downloading.
Setting mode	☰	3 beeps	Setting mode	When Power on, press and hold ☰ key about 3 to 4 seconds until the buzzer beep 3 times.

4-3. Setting mode

In the Setting Mode, changes can be made according to requirement on the printing mode, options, media type, and parallel interface (printer can only go into setting when connected to PC by parallel cable, USB cable, or serial cable).

1. Power on the printer and make sure it is on “Ready to print” status.
2. Press and hold Pause key about 3 to 4 seconds until the buzzer beep 3 times (for product types that with LCD monitor, the LCD will display “Setting Mode”).
3. In the Setting Mode, the keys have the following functions:

— : MINUS / Enter
≡ : MENU / NEXT
+ : PLUS / Exit

4. Before exiting the Setting Mode, printer will prompt user whether to save the settings. After user’s response on whether do or do not save the settings, printer will return to standby mode.

Without LCD monitor

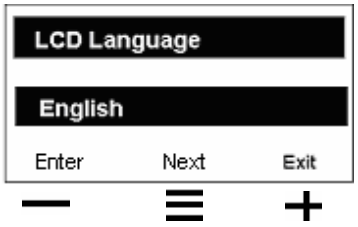
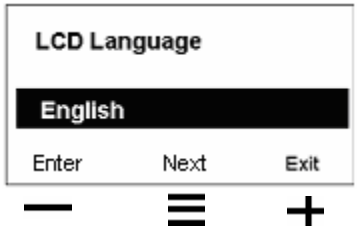
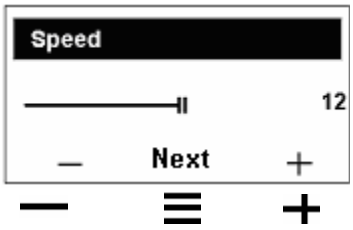
Press and hold ≡ key about 3 to 4 seconds until the buzzer beep 3 times

Blinking Steady

≡	—	+	Ribbon	Media	Description
Setting mode	Exit without saving	Save & exit			Ribbon & Media lights flash simultaneously
Darkness	-	+			Ribbon light flashes and then blinks for each pressing. The buzzer will beep when the adjustment reaches the maximum or minimal.
Speed	-	+			Media light flashes and then blinks for each pressing. The buzzer will beep when the adjustment reaches the maximum or minimal.
Direct Thermal / Thermal Transfer	DT	TT			Ribbon light blinks.
Stop Position	-	+			Ribbon light blinks and Media light flashes. The Media light blinks for each pressing and the buzzer will beep when the adjustment reaches the maximum or minimal.
Buzzer	Off	On			Media light blinks

With LCD monitor

Press and hold ☰ key about 3 to 4 seconds until the buzzer beep 3 times and LCD shows Setting mode. The LCD monitor will show different options on the bottom.

	After entering to Setting mode, the first highlight on LCD monitor indicates the current item for setting.
	In setting type, the first line indicates the current item and the second line indicates current setting.
	In adjustment type, the first line indicates the current item and the second line indicates current value. Plus: press + key to increase the value Minus: press — key to decrease the value Next: press ☰ key to go to next item

Below are general descriptions of setting items.

Darkness	**Default: 15** Set the darkness of printing result. The setting value is from 0 to 19 and the default value is.
Speed	Set the speed of printing.
Stop Position	**Default: 12** Set the stop position of printing. The setting value is from 0 to 60.
Printhead Position	**Default: 0** Set the position of print head when printing. The setting value is from -100 to 100.
Printing mode	**Default: Thermal Transfer** **Thermal Transfer:** when printing, a ribbon must be installed to transfer the print contents onto the media. **Direct Thermal:** when printing, no ribbon is necessary; it only requires direct thermal media.
Option Setup	**Default: Option OFF** **Strip Mode:** turn on the stripper function **Cutter Mode:** turn on the cutter function **Applicator Mode:** turn on the applicator function **None:** select this to turn off the stripper and cutter functions.
Sensor Setup	**Default:** Gap paper **Black Mark:** for label or plain paper with black mark in the back **Gap:** for labels with liner and gap, or hang tags. The default is set to be gap paper. **Continuous:** for continuous paper

COM Port Set	**Baud Rate:** **Default - 9600 bits** 4800 bits 9600 bits 19200 bits 38400 bits 57600 bits 115200 bits
	Parity: **Default - None Parity** None Parity Odd Parity Even Parity
	Data Bits: **Default - 8 bits** 7 bits 8 bits
	Stop Bits: **Default - 1 bit** 1 bits 2 bits
Auto Sensor	**Default: Auto Mode** **Auto Mode:** auto sense the label type (black mark, gap & plain Mpaper) and length **Gap Mode:** detects gap paper **Black Mark Mode:** detects black mark label
LCD Language	**Default:** English English Simplified Chinese Traditional Chinese Spanish Italian Deutsch French Turkish
Code Page	**Default: Code Page 850** Code Page850 Code Page852
Keyboard Setup	**Default: US** US UK French German Spanish Italian Finnish Dutch Belgian
Keyboard Mode	**Default: Recall Label** **Recall Label**：Recall label from memory card. **Keyboard Setup**：Setting the keyboard. **Code page Setup**：Setting the code page. **Printing Option:** Set the print quantity. **Clock Setup:** Set the clock and clock display. **Exit KB Mode**：Exit PS2 KB Mode.
Buzzer Setup	**Default: ON** ON OFF

Smart Backfeed	**Default: ON** **ON:** This function must install stripper or cutter. **OFF**
Password	**Default: OFF** **ON:** When password protect enable, the password is required for entering Setting Mode. **OFF**
Top of Form	**Default: ON** **ON:** Start each printing from the Top-of-Form position. **OFF**
Ethernet	**Go to default:** Set the IP address of Ethernet module to factory default setting.
Preview	Preview and check all settings.

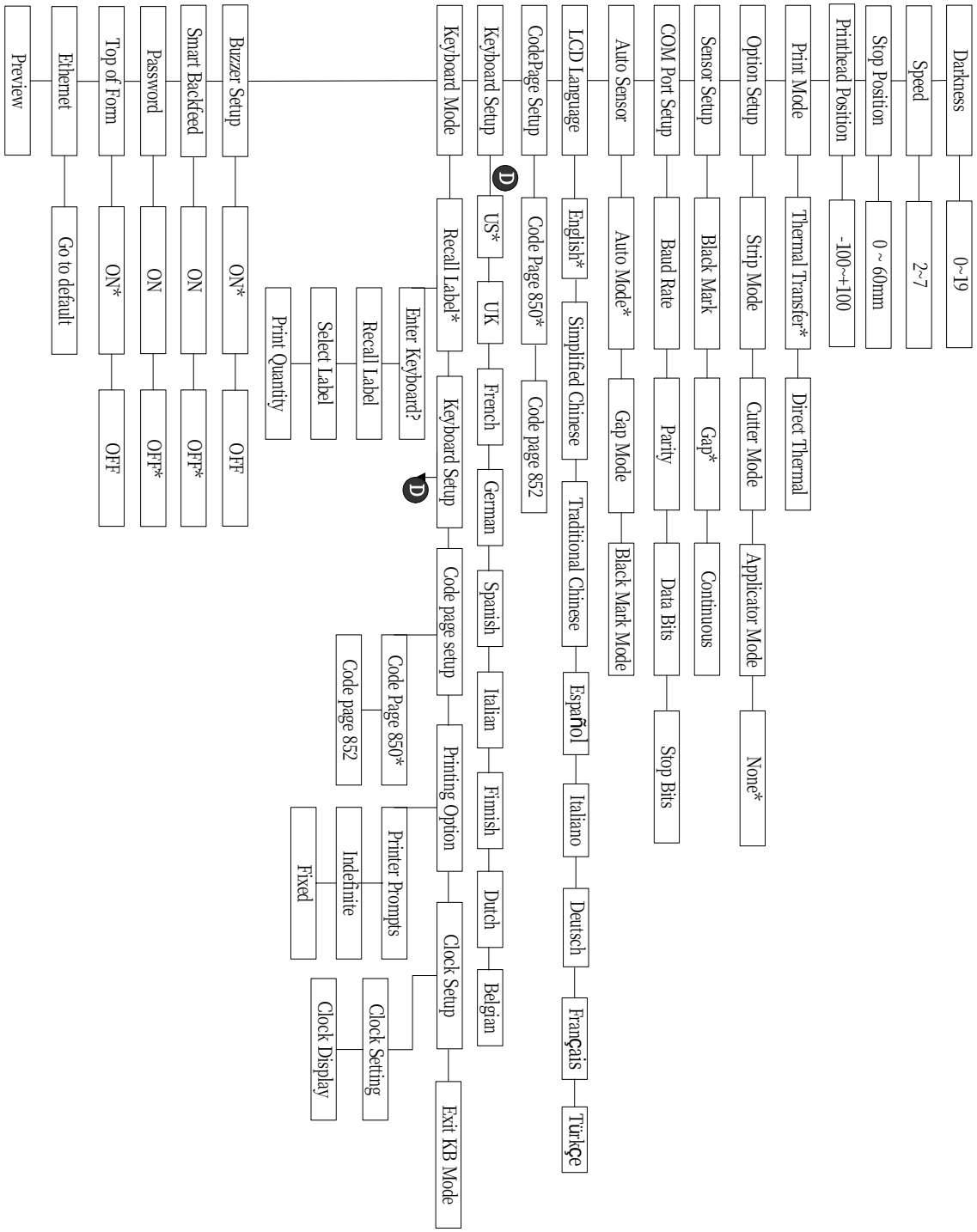
【Note 1】

"Default Setting" is the original settings from the factory, if other changes are made on the settings, then follow the new settings.

【Note 2】

Printer will store the previous settings after power off, thus if settings are to be changed again, please enter the Setting Mode to reset.

The diagram of Setting Mode

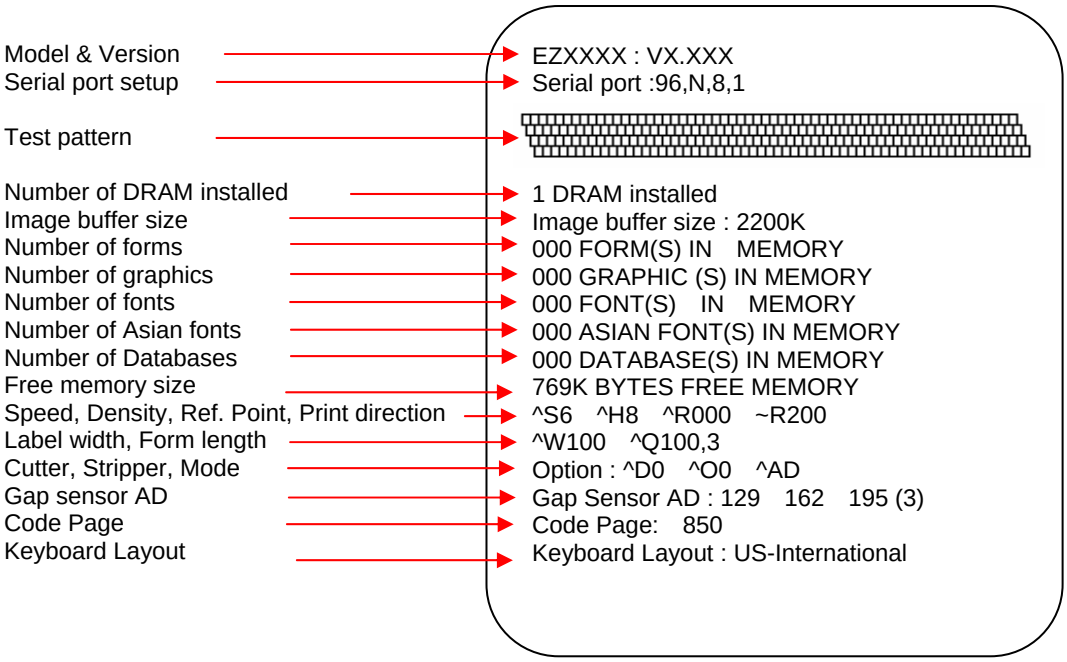


◆ Items with the "＊" sign is default setting.

4-4. Self-Test

The Self-Test function will help user to check whether the printer is operating normally. In Self-Test Mode, the printer will print out a test sample each time when the FEED key is pressed. To break off the Self-Test procedure, please power off the printer.
Below are the Self-Test procedures:

1. Power off the printer, press and hold the FEED key.
2. Power on the printer (while still holding the FEED key); release the FEED key after hearing 3 beeps.
3. After about 1 second, printer would automatically print out the following, and the LCD Display would show “Self Test.” This means the printer is operating normally.



Self-Test includes the internal printer data setting.

4-5. Dump Mode

When label setting and the print result don't match, it's recommended to go into the Dump Mode to check whether there's a mistake in data transmission between the printer and the PC. For example, when printer receives 8 commands, yet without processing these commands, only printed out the contents of the commands, this will confirm whether the commands were received correctly. Test procedures to enter the Dump Mode are as follows:

1. Power off the printer, press and hold the FEED key.
2. Power on the printer (while still holding the FEED key).
3. When LCD Display shows "DUMP MODE BEGIN," release the FEED key. Printer will automatically print "DUMP MODE BEGIN." This means the printer is already in Dump Mode.
4. Send commands to the printer, and check to see if the print result matches the commands sent.

To cancel (get out of the Dump Mode), press the FEED key, this time printer will automatically print out "OUT OF DUMP MODE." This indicates that printer is back in the standby mode. Or power off to exit the Dump Mode.

4-6. Auto Sensing

Printer can automatically detect label (black mark paper) length and record it. By this way, without setting the print length, the printer can accurately detect the label (black mark) positions.

1. Check if the Moveable Sensor Mark is located at the right sensing position.
2. Power off the printer, press and hold the Cancel key.
3. Power on the printer (while still holding the Cancel key), after printer beeps 3 times and the LCD Display shows "Auto Sensing mode," release the Cancel key. Printer will automatically detect the label size/length and record.
4. LCD Display shows the results of measurement.

Printer goes back to standby mode after displaying the measurement.

4-7. Error Messages

If problems occur that prevent the printer printing normally, the printer will beep as warning, and error messages will be displayed.

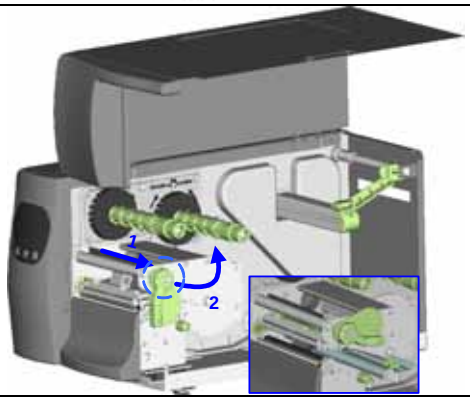
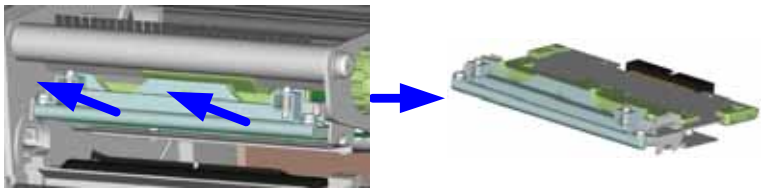
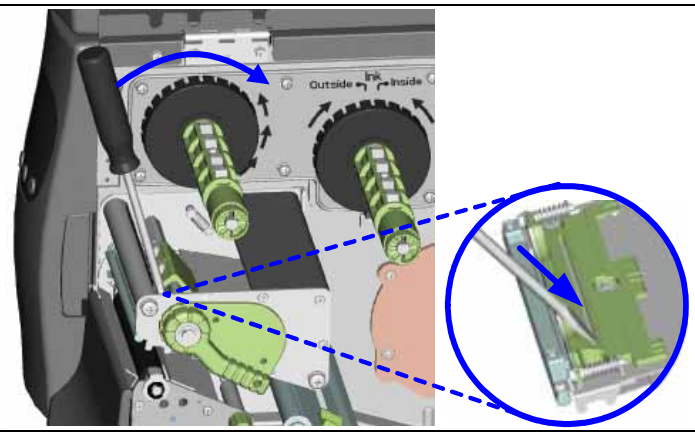
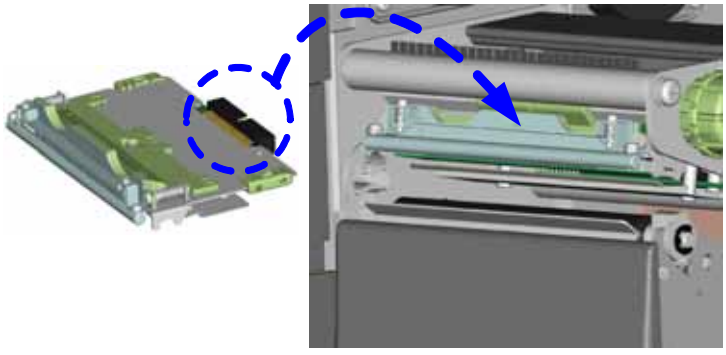
Quickly blinking Slowly blinking Light is on

LCD Message Display	LED Message Light			Beep	Description	Solution
	Ribbon	Media				
Print Head is opened			both lights are on	4 beeps twice	Thermal Print Head is not firmly closed.	Re-open the Thermal Print Head and make sure it is closed tightly.
Entering the Cooling Process			blinking simultaneously		Thermal Print Head temperatur e high.	Printer goes back to standby mode after cooling.
Out of ribbon or check ribbon sensor				3 beeps twice	Ribbon not installed, and printer shows error message.	Make sure the printer is in the Direct Thermal mode.
					Ribbons used up or ribbon supply shaft not moving.	Replace with new ribbon roll.
Out of media or check media gap sensor				1 beep twice	Unable to detect paper.	Make sure the movable sensor mark is at the correct position, if the sensor is still unable to detect paper, and then go through Auto Sensing again.
					Label used up.	Replace with new label roll.
Check paper setting				1 beep twice	Paper jam.	Possible causes: card tags, paper falling into the gap behind the platen roller, can't find label gap/black mark, black mark paper out. Please adjust according to actual usage.
CF Card not found			blinking simultaneously	2 beeps twice	CF Card is not formatted.	Please follow the instruction on Chapter 5-8 to format the CF Card.

Memory Full				2 beeps twice	Memory is full	Delete unnecessary data in the memory or use CF Card.
Rewinder Full				2 beeps twice	Rewinder is full	Remove the labels on rewinder.
Filename can not be found				2 beeps twice	Can't find the file	Use "~X4" command to print out all the files, then check whether the file exist and the names are correct.
Filename repeated				2 beeps twice	File name is repeated	Change the file name and download again.

5. Maintenance and Adjustment

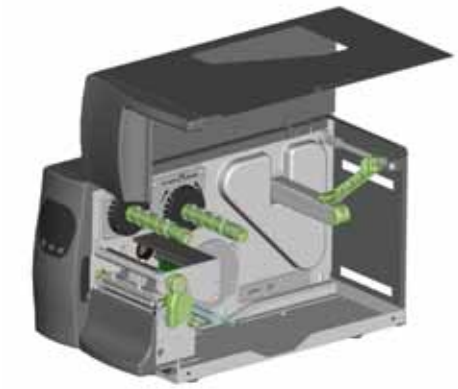
5-1. Print Head Module Installation / Removal Instruction

1. Open the top cover. *【Note】* *Power-off when removing print head module.*	
2. Pull the Print Head Lever out and flip it upward to the right. *【Note】* *When remove print head module, please dismount the cutter first.*	
3. To remove the print head module, hold on the front of the print head module and pull it out.	
4. If user cannot successfully remove the print head by hand, the screwdriver can be used for assistant as the figure shows.	
5. To install the print head module, hold on the front of the print head module and slide down along the track. Align the male end (with protruding pins) with the female end (pin base) and push the print head module down.	

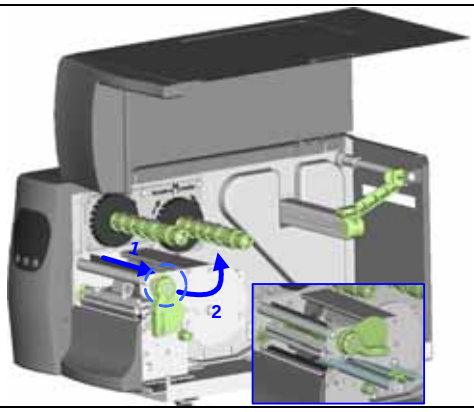
5-2. TPH Print Line Adjustment

Please contact your local dealer for technical support

1. Open the top cover.

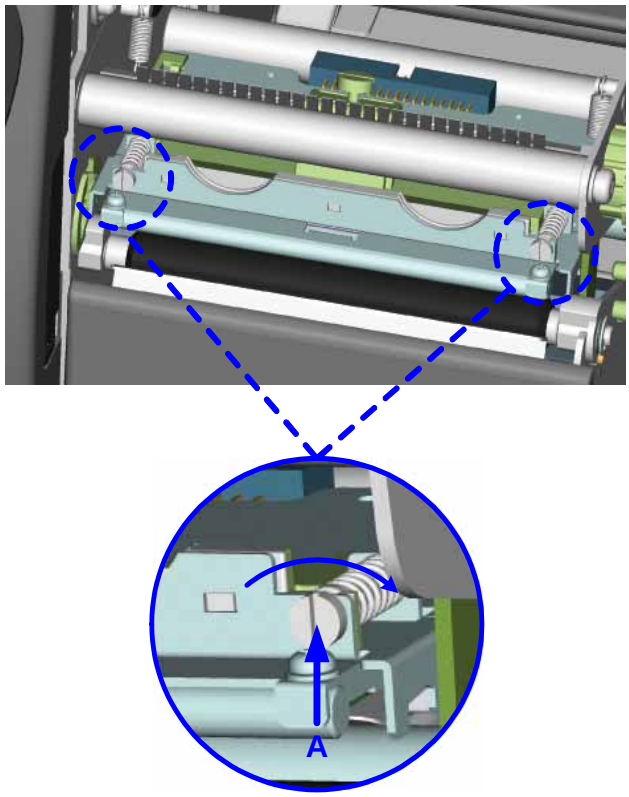


2. Pull the Print Head Lever out and flip it upward to the right.



3. TPH print line adjustment:

- When the printing is stiff or printing with thick paper, the print line needs to be moved forward (paper feed direction) in order to achieve better printing quality. Use a flat tip screwdriver, and turn the screws (A) clockwise to move the TPH forward
- TPH position adjustment for the left and right screws (A) need to be identical to make sure that the print line and the roller platen are parallel to each other.
- Turning the screws (A) one circle, the TPH will move 0.5mm. It is recommended to adjust by a quarter of a circle each time to fully control the printing quality and status.
- If the adjustment is failed, please slowly turn the screws (A) counterclockwise all the way to the end using a flat tip screwdriver. And redo the adjustment from the beginning.

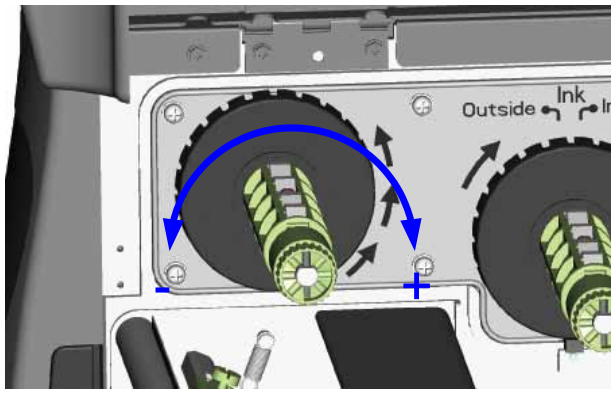


5-3. Ribbon Tension Adjustment

The ribbon shaft tension can be adjusted by turning the ribbon shaft knob clockwise or counterclockwise. There are 4 different levels of tension and marked with 1~4 on both knobs of Ribbon Rewind Shaft and Ribbon Supply Shaft. 1 represents the strongest tension and 4 is the weakest tension. When the tension is too weak to pull the ribbon, please decrease the tension of Ribbon Supply Shaft or increase the tension of Ribbon Rewind Shaft. To adjust the ribbon shaft knob, please push the knob inward and then start to turn.

If the ribbon wrinkles occurs during printing due to the differences of ribbon materials, please increase the tension by turning Ribbon Rewind Shaft Knob clockwise. (For more detail about the ribbon wrinkle problem, please refer to Chapter5-6)

If a narrower ribbon is used (especially when ribbon width is less than 2”), the printer might have problem to pull the labels. In this case, please decrease the tension by turning Ribbon Supply Shaft Knob counterclockwise. Moreover, the Ribbon Roll maybe difficult to be removed because of the shape-change that result from over-power tension. In this case, please decrease both tensions of Ribbon Supply Shaft and Ribbon Rewind Shaft by turning Knobs counterclockwise.



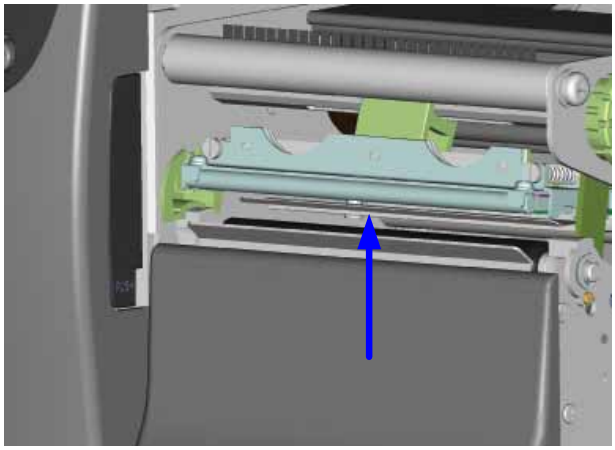
5-4. Thermal Print Head Cleaning

Unclear printouts (some parts of label cannot be printed) may be caused by dusty print head, ribbon stain, or label liner glue. Therefore when printing, it's necessary to keep the top cover closed. Also, check and prevent paper/label from being stained or dusty to ensure print quality and to prolong the print head life. Print head cleaning instructions are as follows:

1. Power-off the printer.
2. Open the top cover.
3. Take out the ribbon.
4. Open the print head by lifting the Print Head Lever.
5. If there are label pieces or other stain on the print head (see blue arrow), please use a soft cloth with industrial use alcohol to wipe away the stain.

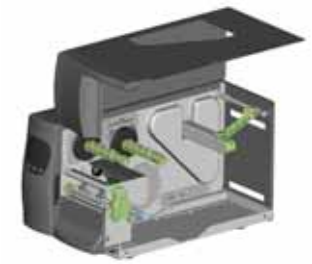
【Note 1】
Weekly cleaning on the print head is recommended.

【Note 2】
When cleaning the print head with soft cloth, make sure there is no any metal or hard particles attached on it.

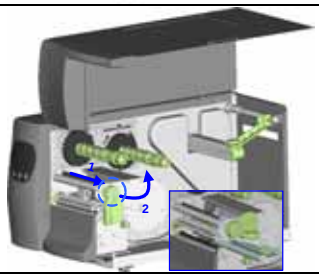


5-5. Print Head Balance and Pressure Adjustment

1. Open the top cover.



2. Pull the Print Head Lever out and flip it upward to the right.

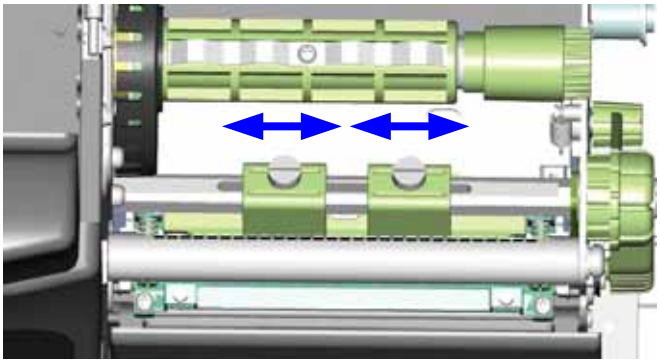


When printing with different label materials or using different ribbon types, unbalanced print quality may occur due to the media material differences. Moreover, when one side of the printout is not printed clearly or ribbon wrinkle occurs, it's necessary to adjust the position or pressure of TPH Spring Box.

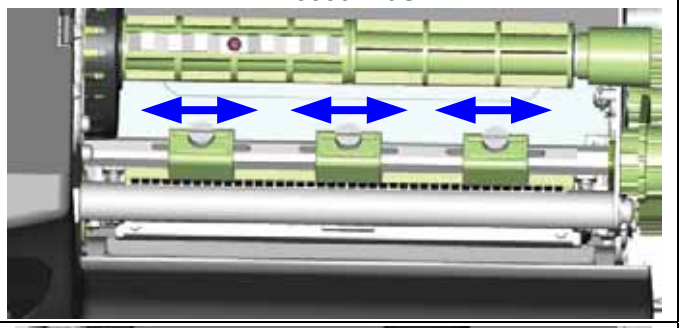
3. Move the TPH Spring Box as showed on the figure to change the print position. Normally, the wider the paper, the right-TPH Spring Box is farther to the right (out); the narrower the paper, the right-TPH Spring Box is farther to the left (in).

If the problem is still not solved, please move to next step to adjust the pressure of TPH Spring Box.

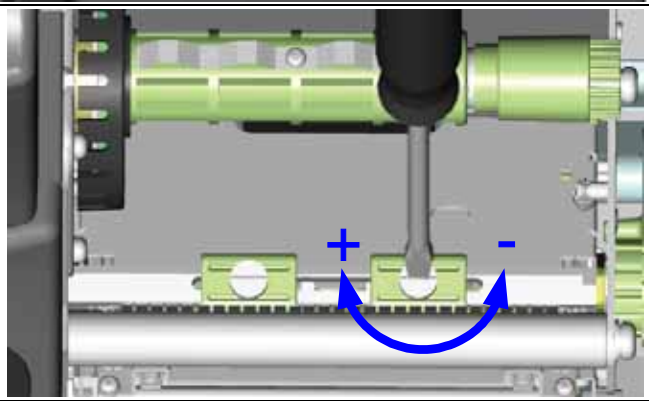
EZ-2000 Plus



EZ-6000 Plus



4. To adjust the TPH Spring Box pressure, use a flat tip screwdriver to turn the screw clockwise to increase the pressure; counterclockwise to decrease the pressure.



5-6. Ribbon Shield Adjustment

1. Due to the differences in the ribbon materials, if ribbon wrinkles occur during printing, please adjust the ribbon shield screw.

Example: If ribbon wrinkles occur as (a), please turn the ribbon shield screw A clockwise, and if ribbon wrinkles occur as (b), please turn the ribbon shield screw B clockwise.

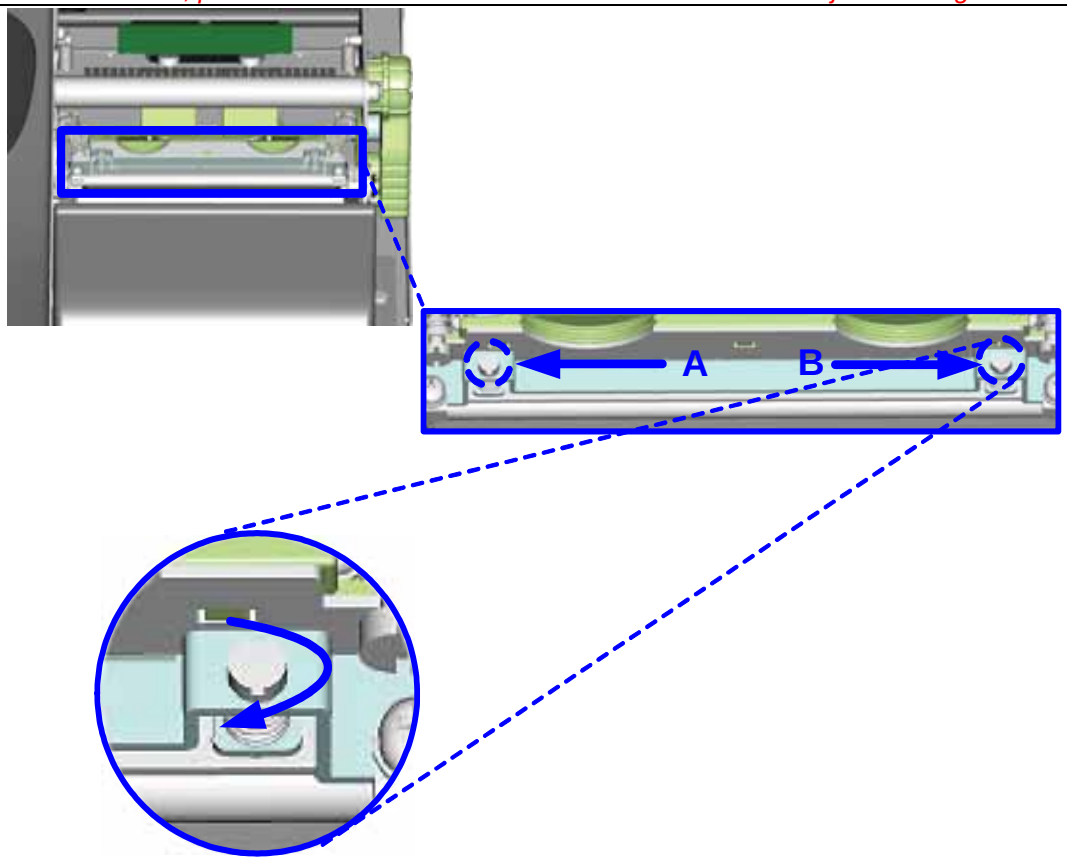
(a)

(b)

2. It is recommended to adjust by a half of a circle each time to fully control the printing quality and status. Perform the printing test after adjustment, and if a ribbon wrinkle has not been removed, please perform the adjustment one more time. Each adjustment on the screw can not be turned more than two circles.

【Note】

If the screws are turned more than acceptable range, then paper feed may not be smooth. In this circumstance, please restore the ribbon shield screws and do the adjustment again.



5-7. Adjust the Cutter

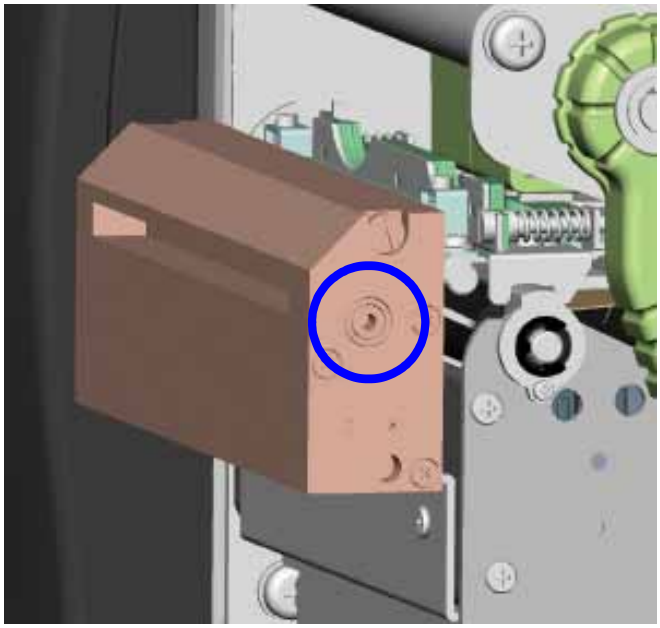
1. The cutter-adjusting hole is on both sides of cutter.

2. The cutter will not work properly if there is a paper jam. Please power off the printer and use a 3mm hexagon screwdriver to insert into the hole.

3. Turn the screwdriver clockwise to remove the jammed-label.

4. After the jammed-label is removed, power on the printer again. The cutter will reset automatically.

【Note】
The label / paper used for cutting is suggested to be at least 30mm in height.



5-8. CF Card Instruction

All the EZ-2000 Plus and EZ-6000 Plus series models have built-in CF Card slot on the back of the printer. If the built-in memory is insufficient for storing label formats, graphics or fonts, users can use CF Card as external memory to provide more memory space.

When using the CF card, please follow the instruction as below:

1. Please power off the print before installing or removing CF Card from the card slot.
2. The CF Card cannot be used for printer's external memory until it is formatted in FAT16. When the printer has detected that the CF card is not formatted in FAT16, the LCD will show the message of "CF card not formatted, press FEED to format".
3. If user wants to format the CF Card, please follow the instruction to press the "FEED" key, and then the printer will format the CF Card in FAT16.
4. After the format is complete, a file folder named "Godex" would be created automatically. This folder is for storing all the data from the printer, please don't do any change on it.
5. The capacity of CF Card that is supported by the printer is from 128MB to 1GB.

5-9. Troubleshooting

Problem	Recommended Solution
LCD Display shows no message after power on the printer	◆ Check the power cable
LED light indicates error messages after printing stops	◆ Check for software setting or program command errors ◆ Replace with suitable label or ribbon ◆ Check if label or ribbon is all out ◆ Check if label is jammed/tangled up ◆ Check if mechanism is closed (Thermal Print Head not positioned correctly) ◆ Check if sensor is blocked by paper/label ◆ Check for abnormal cutter function or of no actions (if cutter is installed)
Printing started, but nothing was printed on the label	◆ Check if label is placed upside down or if label is not suitable for the application ◆ Select the correct printer driver ◆ Select the correct label and print type
When printing, label is jammed/tangled up	◆ Clean the label jam, and if label is stuck on Thermal Print Head, please remove it by using soft cloth with alcohol.
When printing, only part of the contents were printed	◆ Check if label or ribbon is stuck on the Thermal Print Head ◆ Check if application software has errors ◆ Check if start position setting has errors ◆ Check if ribbon has wrinkles ◆ Check if ribbon supply shaft is creating friction with the platen roller. If the platen roller needs to be replaced, please contact your reseller for more information ◆ Check if power supply is correct
When printing, part of the label wasn't printed completely	◆ Check if Thermal Print Head is stained or dusted ◆ Use internal command "~T" to check Thermal Print Head can print completely ◆ Check the media quality
The printout is not in desired position	◆ Check if sensor is covered by paper or dust ◆ Check if liner is suitable for use, please contact reseller for more information ◆ Check if label roll edge is aligned with Label Width Guide
When printing, page skipping occurs	◆ Check if error occurs on label height setting ◆ Check is sensor is covered by dust
Unclear printout	◆ Check print darkness setting ◆ Check if Thermal Print Head is covered with glue or stain
When using cutter, label wasn't cut straight	◆ Check if label is set up straight
When using cutter, label wasn't cut successfully	◆ Check whether label thickness exceeds 0.16mm
When using cutter, label couldn't feed or unexpected cutting occurs	◆ Check if cutter is installed properly ◆ Check if Paper Feed Rods are sticky
When using stripper, the function is not working correctly.	◆ Check if stripper sensor is covered with dust ◆ Check if label is installed properly

【Note】

Your dealer is knowledgeable about GODEX printers, printing software, and your unique system. Please contact your local dealer for technical support.

Appendix

1. EZ-2000 Plus Certifications

CE EMC
TEST REPORT

for

Thermal Transfer Printer

MODEL: EZ-2xxxPyyy (x=0~9, y=0~9 a-z)
H-4xx (x=0~9)

Brand Name: GODEX; THARO

Test Report Number:
61030404-E

Issued for
GODEX INTERNATIONAL CO., LTD
4F., No. 168, Liancheng Rd., Jhonghe City, Taipei County 235, Taiwan (R.O.C.)

Issued By:
Compliance Certification Services Inc.
Tainan Laboratory
No. 8, Jiu Cheng Ling, Jiaokeng Village, Sinhua Township, Tainan Hsien 712, Taiwan R.O.C.
TEL: 886-6-580-2201
FAX: 886-6-580-2202
Issued Date: February 07, 2007

NVLAP LAB CODE 200627-0

Testing Laboratory 1109

Note: This report shall not be reproduced except in full, without the written approval of Compliance Certification Services Inc. This document may be altered or revised by Compliance Certification Services Inc. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, NVLAP or any government agencies. The test results in the report only apply to the tested sample.

FCC DoC
TEST REPORT

for

Thermal Transfer Printer

MODEL: EZ-2xxxPyyy (x=0~9, y=0~9 a-z)
H-4xx (x=0~9)

Brand Name: GODEX; THARO

Test Report Number:
61030404-D

Issued for

GODEX INTERNATIONAL CO., LTD
4F., No. 168, Liancheng Rd., Jhonghe City, Taipei County 235,
Taiwan (R.O.C.)

Issued By:

Compliance Certification Services Inc.
Tainan Laboratory
No. 8, Jiu Cheng Ling, Jiaokeng Village, Sinhua
Township, Tainan Hsien 712, Taiwan R.O.C.
TEL: 886-6-580-2201
FAX: 886-6-580-2202

Issued Date: February 07, 2007

NVLAP LAB CODE 200627-0

Testing Laboratory 1109

Note: This report shall not be reproduced except in full, without the written approval of Compliance Certification Services Inc. This document may be altered or revised by Compliance Certification Services Inc. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, NVLAP or any government agencies. The test results in the report only apply to the tested sample.

Zertifikat *Certificate*

TÜV

Zertifikat Nr. *Certificate No.*
S 50105733

Blatt *Page*
0001

Ihr Zeichen *Client Reference*	**Unser Zeichen** *Our Reference*	**Längstens gültig bis**	*Latest expiration date (day/mo/yr)*
61030404/CCS	ZTW1-DCH- 10005545 005	03.05.2012	

Genehmigungsinhaber *License Holder*
Godex International Co. Ltd.
4F, No. 168, Lian-Cheng Road
Chung-Ho City, Taipei Hsien 235
Taiwan

Fertigungsstätte *Manufacturing Plant*
Godex International Co. Ltd.
4F, No. 168, Lian-Cheng Road
Chung-Ho City, Taipei Hsien 235
Taiwan

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 60950-1:2001+A11

Zertifiziertes Produkt (Geräteidentifikation) *Certified Product* *(Product Identification)*

Lizenzentgelte - Einheit *License Fee - Unit*

Drucker (Bar Code Printer (Thermal Transfer Printer))

Bezeichnung (Type designation)	: EZ-2XXXYYY (GODEX)	6
X steht für (stands for)	: 0-9 oder (or) A-Z	1
Y steht für (stands for)	: 0-9, A-Z oder (or) freibleibend (blank)	1
Nennspannung (Rated Voltage)	: AC 100-240V, 50-60Hz	
Nennstrom (Rated Current)	: 3A	
Schutzklasse (Protection Class)	: I	
		8

TÜV Rheinland Product Safety GmbH — TÜV Rheinland — Zertifizierungsstelle

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Produkt und Fertigungsstätte erfüllen § 4 (1) bzw. (2) und § 7(1) des Geräte- und Produktsicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
Product and production fulfill par 4 Art. 1 or Art. 2 and Par 7 Art. 1 of the German Equipment and Product Safety Law.

Zertifizierungsstelle

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Dipl.-Ing. F. Stoelzel

Ausstellungsdatum *Date of Issue* : 04.05.2007 **(day/mo/yr)**

Underwriters Laboratories Taiwan Co., Ltd.

優力國際安全認證有限公司
Underwriters Laboratories Taiwan Co., Ltd.
台北市112北投區大業路260號1樓
1/F, 260 Da-Yeh Road, Peitou, Taipei City, Taiwan 112
Tel: +886-2-2896-7790 Fax: +886-2-2891-7844
http://www.ul.com.tw

NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

May 7, 2007

Mr. Wallace Tsai
Godex International
6th FL 605 Jhongshan Rd
Sinhua Township
Tainan Hsien, 71243
Tw

Fax number: 2-22408795
E-mail: wallacetsai@godex.com.tw

Reference: File E214683 Project 07CA11056

Product: UL/CUL For Bar Code Printer, Model: EZ-2xxxPyyy (where x can be 0-9; y can be 0-9, a-z), employing the alternate cutters, Hengstler, Type G; appliance inlet, maunfacturer by Jackson Electronics Industrial Corp., Type JR-101-1FSA; power switch, Jackson, Type JS-606A; printer head and add Model H-4xx (where x can be 0-9).

Dear Mr. Tsai,

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

UL' s investigation of your product has been completed under the above project number and the subject product was determined to comply with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Listing Mark only at the factory under UL' s Follow-Up Service Program to the subject product, which is constructed as described below:

Similar to the subject model covered in the UL Follow-Up Services Procedure, File E214683, Volume 1, Section 2.

To provide the manufacturer with the intended authorization to use the UL Mark, the addressee must send a copy of this Notice and all attached material to each manufacturing location as currently authorized in File E214683, Volume 1.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent to the indicated manufacturing locations in the near future. Please note that Follow-Up Services Procedures are sent to the manufacturers only unless the Applicant specifically requests this document.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL' s requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL' s requirements and continued use of the UL Mark may be withdrawn.

Sincerely,

Ivan Tsai

Ivan Tsai
Engineer
Department: 3013BTAI
Tel: 02-28967790
Fax: 886-2-28907443
E-mail: Ivan.Tsai@tw.ul.com

CC: Compliance Certification Service Inc.
Mr. Kane Wang
Kane.wang@tw.ccsemc.com

Reviewed by:

Joseph Chang
Project Engineer
Department: 3013BTAI
E-mail: joseph.chang@tw.ul.com

Jonathan Chen
Associate Project Engineer
Department: 3013BTAI
E-mail: Jonathan.Chen@tw.ul.com

An independent organization working for a safer world with integrity, precision and knowledge.

IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-018931

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product Produit	Bar Code Printer (Thermal Transfer Printer)
Name and address of the applicant Nom et adresse du demandeur	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Name and address of the manufacturer Nom et adresse du fabricant	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Name and address of the factory Nom et adresse de l'usine	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Rating and principal characteristics Valeurs nominales et caractéristiques principales	1) AC 100-240V; 50-60Hz; 3A; Class I 2) AC 100-240V; 50-60Hz; 2.5A; Class I
Trade mark (if any) Marque de fabrique (si elle existe)	GODEX
Model/type Ref. Réf. de type	1) EZ-2XXXYYY (X = 0-9 or A-Z; Y = 0-9, A-Z or blank) 2) EZ-2xxxPyyy (x = 0-9; y = 0-9, a-z)
Additional information (if necessary) Information complémentaire (si nécessaire)	For model differences, refer to the test report.
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 60950-1:2001 National differences see test report
As shown in the Test Report Ref. No.which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue une partie de ce Certificat	11009156 001

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

TÜV **TÜV Rheinland Group**

TÜV Rheinland Japan Ltd.
Shin Yokohama Daini Center Bldg.
3-19-5, Shin Yokohama, Kohoku-ku
Yokohama 222-0033 Japan
Phone + 81 45 470-1850
Fax + 81 45 473-5221
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 04.05.2007

Signature: W. Hsu

Dipl.-Ing. W. Hsu

經 濟 部 標 準 檢 驗 局

THE BUREAU OF STANDARDS METROLOGY AND INSPECTION
MINISTRY OF ECONOMIC AFFAIRS

商 品 驗 證 登 錄 證 書

CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼：CI3A0061230068 號 00
Certificate No.

茲據 科誠股份有限公司 申請驗證登錄，經審查結果符合規定，准予登錄並使用檢驗標識及識別號碼： R3A123 。其登錄事項如下：

申 請 人：科誠股份有限公司 統一編號：84152965
Applicant Uniform No.

地 址：台北縣中和市連城路168號4樓
Address

生產廠場： 科誠股份有限公司
Factory

廠 址： 台北縣中和市連城路168號4樓
Factory Address

產品種類名稱：
Type / name of product

商品分類號列：8471.60.20.90.8
C.C.C. Code

中文名稱： 條碼機
Chinese name

英文名稱： Thermal Transfer Printer
English name

型 式： EZ-2000Plus
Type

系列型式： EZ-2200Plus; EZ-2300Plus; H-427; H-436(以下空白)
Series of the type

依據標準： CNS13438 (95年) ; CNS14336 (94年)
Standards

標準檢驗局或所屬分局發證
(本證經發證機關使用鋼印後生效)

This certificate shall be issued by BSMI or its branches.
(This certificate will become effective only when stamped with this BSMI seal)

登錄日期：中華民國 Registration Date	九十六 2007	年 (year)	五 05	月 (month)	二十八 28	日 (day)
本證明書有效期限至 Expiration Date	九十九 2010	年 (year)	五 05	月 (month)	二十七 27	日 (day)
發證日期：中華民國 Date of issue	九十六 2007	年 (year)	五 05	月 (month)	二十八 28	日 (day)

(註：持本證書進口時，進口人須與本證書申請人相同)

中国国家强制性产品认证证书

证书编号：2007010904235984

申请人名称及地址

科诚股份有限公司
台湾台北县中和市连城路168号4楼

商标：GODEX、THARO

制造商名称及地址

科诚股份有限公司
台湾台北县中和市连城路168号4楼

生产企业名称及地址

科诚股份有限公司
台湾台北县中和市连城路168号4楼

产品名称和系列、规格、型号

商用条形码打印机

EZ-2xxxPlus(x=0-9，只用于区别销售客户，不影响产品的安全性及电磁兼容性)，EZ-4xx(x=0-9，只用于区别销售客户，不影响产品的安全性及电磁兼容性)/100-240Vac，50-60Hz，2.5A

产品标准和技术要求

GB4943-2001,GB9254-1998(Class A),GB17625.1-2003

上述产品符合强制性产品认证实施规则的要求，特发此证。

发证日期：2007年06月11日

本证书的有效性依据发证机构的定期监督获得保持。

主　任：李怀林

中国质量认证中心 CHINA QUALITY CERTIFICATION CENTRE

中国 ·北京 · 南四环西路188号9区100070　网址：www.cqc.com.cn

2. EZ-6000 Plus Certifications

Compliance Certification Services Inc. Report No: 61030405-E

CE EMC
TEST REPORT

for

Thermal Transfer Printer

MODEL: EZ-6xxxPyyy (x=0-9, y=0-9 a-z)
H-6xx (x=0~9)

Brand Name: GODEX; THARO

Test Report Number:
61030405-E

Issued for
GODEX INTERNATIONAL CO., LTD
4F., No. 168, Liancheng Rd., Jhonghe City, Taipei County 235,
Taiwan (R.O.C.)

Issued By:
Compliance Certification Services Inc.
Tainan Laboratory
No. 8, Jiu Cheng Ling, Jiaokeng Village, Sinhua
Township, Tainan Hsien 712, Taiwan R.O.C.
TEL: 886-6-580-2201
FAX: 886-6-580-2202
Issued Date: February 07, 2007

NVLAP LAB CODE 200627-0

Testing Laboratory
1109

Note: This report shall not be reproduced except in full, without the written approval of Compliance Certification Services Inc. This document may be altered or revised by Compliance Certification Services Inc. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, NVLAP or any government agencies. The test results in the report only apply to the tested sample.

Page 1 / 63

FCC DoC
TEST REPORT

for

Thermal Transfer Printer

MODEL: EZ-6xxxPyyy (x=0-9, y=0-9 a-z)
H-6xx (x=0~9)

Brand Name: GODEX; THARO

Test Report Number:
61030405-D

Issued for

GODEX INTERNATIONAL CO., LTD
4F., No. 168, Liancheng Rd., Jhonghe City, Taipei County 235,
Taiwan (R.O.C.)

Issued By:

Compliance Certification Services Inc.
Tainan Laboratory
No. 8, Jiu Cheng Ling, Jiaokeng Village, Sinhua
Township, Tainan Hsien 712, Taiwan R.O.C.
TEL: 886-6-580-2201
FAX: 886-6-580-2202

Issued Date: February 07, 2007

NVLAP LAB CODE 200627-0

Testing Laboratory 1109

Note: *This report shall not be reproduced except in full, without the written approval of Compliance Certification Services Inc. This document may be altered or revised by Compliance Certification Services Inc. personnel only, and shall be noted in the revision section of the document. The client should not use it to claim product endorsement by TAF, NVLAP or any government agencies. The test results in the report only apply to the tested sample.*

Industrial Services, Mobility and Transport,
Product Safety and Quality, Education and
Consulting, IT Services and Innovation

TÜV

TÜV Rheinland Group

Compliance Certification Services Inc.

Ms. Amber Liao, Chief Engineer
Test Services Dept.

6F., No. 605, Jhongshan Rd.,
Sinhua Township, Tainan Hsien 71243
Taiwan

Date: 3 May, 2007
Client No.: 374993
Our ref.: DCH/JIC-113090079
Your ref.: 70215002/CCS-Tainan

Approval of modification

Dear Ms. Liao,

Enclosed, please find the confirmation letter for

the product:	Bar Code Printer (Thermal Transfer Printer)
Type designation:	EZ-6xxxPyyy (x=0-9; y=0-9 or a-z)(GODEX); H-6xx (x=0-9)(THARO)
of Applicant:	Godex International Co. Ltd.

Please forward these originals to the applicant.

If you contact our office, please indicate our reference above.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

Yours sincerely

TÜV RHEINLAND TAIWAN LTD.
Product Compliance Department I

David Lee
Vice Director

Dennis H. P. Chiu
Project Engineer
Safety IV

Enclosure

TÜV RHEINLAND TAIWAN LTD.

7F, No. 2, Min Chuan E. Rd., Sec.3,
Taipei 104, Taiwan, R.O.C.
Tel.(02) 2516-6040
Fax(02) 2504-5040
http://www.twn.tuv.com

TAICHUNG BRANCH:
10F, No. 219, Min Chuan Rd.,
Taichung 403, Taiwan, R.O.C.
Tel.(04) 2301-9896
Fax(04) 2301-9896

KAOHSIUNG BRANCH:
33F-3, No. 80, Min Tzu 1st Rd.,
Kaohsiung 807, Taiwan, R.O.C.
Tel.(07) 380-1722
Fax(07) 380-1728

NANKANG BRANCH:
No. 99-23, Nan Kang Rd., Sec. 2,
Taipei 115, Taiwan, R.O.C.
Tel.(02) 2783-6650
Fax(02) 2783-7117

Underwriters Laboratories Taiwan Co., Ltd.

優力國際安全認證有限公司
Underwriters Laboratories Taiwan Co., Ltd.
台北市112北投區大業路260號1樓
1/F, 260 Da-Yeh Road, Peitou, Taipei City, Taiwan 112
Tel: +886-2-2896-7790 Fax: +886-2-2891-7944
http://www.ul.com.tw

NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

May 7, 2007

Mr. Wallace Tsai
Godex International
6th FL 605 Jhongshan Rd
Sinhua Township
Tainan Hsien, 71243
Tw

Fax number: 2-22408795
E-mail: wallacetsai@godex.com.tw

Reference: File E214683 Project 07CA11064 Report Reference Number: E214683-A2-UL-1, Amendment 2

Product: UL/CUL For Printer, Model EZ-6xxxPyyy, employing 1. changed the cutter type from CJP, Type FPNR61 to Oyane Riki, Type ORC-FAGR6I and switch, from Type SS-01 to SS-01GL2; 2. the alternate cutters, Hengstler, Type Type H; appliance inlet, maunfacturer by Jackson Electronics Industrial Corp., Type JR-101-1FSA; power switch, Jackson, Type JS-606A and add Model H-6xx (where x can be 0-9).

Dear Mr. Tsai,

Any information and documentation involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

UL' s investigation of your product has been completed under the above project number and the subject product was determined to comply with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Listing Mark only at the factory under UL' s Follow-Up Service Program to the subject product, which is constructed as described below:

Similar to the subject model covered in the UL Follow-Up Services Procedure, File E214683, Volume X1, Report Reference Number: E214683-A2-UL-1, Amendment 2.

To provide the manufacturer with the intended authorization to use the UL Mark, the addressee must send a copy of this Notice and all attached material to each manufacturing location as currently authorized in File E214683, Volume X1.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent to the indicated manufacturing locations in the near future. Please note that Follow-Up Services Procedures are sent to the manufacturers only unless the Applicant specifically requests this document.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL' s requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL' s requirements and continued use of the UL Mark may be withdrawn.

Sincerely,

Ivan Tsai

Ivan Tsai
Engineer
Department: 3013BTAI
Tel: 02-28967790
Fax: 886-2-28907443
E-mail: Ivan.Tsai@tw.ul.com

CC: Compliance Certification Service Inc.
Mr. Kane Wang
Kane.wang@tw.ccsemc.com

Reviewed by:

Joseph Chang
Project Engineer
Department: 3013BTAI
E-mail: joseph.chang@tw.ul.com

Jonathan Chen
Associate Project Engineer
Department: 3013BTAI
E-mail: Jonathan.Chen@tw.ul.com

An independent organization working for a safer world with integrity, precision and knowledge.

IEC IECEE CB SCHEME

Ref. Certif. No.

JPTUV-012020-M2

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE
CERTIFICAT D'ESSAI OC

Product Produit	Bar Code Printer
Name and address of the applicant Nom et adresse du demandeur	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Name and address of the manufacturer Nom et adresse du fabricant	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Name and address of the factory Nom et adresse de l'usine	Godex International Co. Ltd. 4F, No. 168, Lian-Cheng Road Chung-Ho City, Taipei Hsien 235 Taiwan
Rating and principal characteristics Valeurs nominales et caractéristiques principales	1)-5) AC 100-240V; 50-60Hz; 3A; Class I 6)-7) AC 100-240V; 50-60Hz; 3.3A; Class I
Trade mark (if any) Marque de fabrique (si elle existe)	1), 6) GODEX 2) SYSTEM WAVE 3) Intermec 4), 5), 7) THARO
Model/type Ref Réf. de type	1) EZ-6XXXYYY (X = 0-9, A-Z; Y = 0-9, A-Z or blank) 2) KSW-60X 3) PD6X 4) H-62X 5) H-63X (X = 0-9, A-Z or blank) 6) EZ-6xxxPyyy (x = 0-9; y = 0-9 or a-z) 7) H-6xx (x = 0-9)
Additional information (if necessary) Information complémentaire (si nécessaire)	For model differences, refer to the test report. Re-issue of JPTUV-012020-M1 dated 14.02.2007, due to second modification.
A sample of the product was tested and found to be in conformity with Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 60950-1:2001 National differences see test report
As shown in the Test Report Ref. No. which forms part of this Certificate Comme indiqué dans le Rapport d'essais numéro de référence qui constitue une partie de ce Certificat	11005184 003

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

TÜV **TÜV Rheinland Group**

TÜV Rheinland Japan Ltd.
Shin Yokohama Daini Center Bldg.
3-19-5, Shin Yokohama, Kohoku-ku
Yokohama 222-0033 Japan
Phone + 81 45 470-1850
Fax + 81 45 473-5221
Mail: info@jpn.tuv.com
Web: www.tuv.com

Date: 02.05.2007

Signature: Dipl.-Ing. F. Stoelzel

經 濟 部 標 準 檢 驗 局

THE BUREAU OF STANDARDS METROLOGY AND INSPECTION
MINISTRY OF ECONOMIC AFFAIRS

商 品 驗 證 登 錄 證 書

CERTIFICATE OF THE REGISTRATION OF PRODUCT CERTIFICATION

證書號碼：CI3A6061230079 號 00
Certificate No.

茲據 科誠股份有限公司 申請驗證登錄，經審查結果符合規定，准予登錄並使用檢驗標識及識別號碼： R3A123 。其登錄事項如下：

申 請 人：科誠股份有限公司 統一編號：84152965
Applicant Uniform No.

地 址：台北縣中和市連城路168號4樓
Address

生產廠場： 詳如附表
Factory

廠 址： 詳如附表
Factory Address

產品種類名稱：
Type / name of product

商品分類號列：8471.60.20.90.8
C.C.C. Code

中文名稱： 條碼機
Chinese name

英文名稱： Thermal Transfer Printer
English name

型 式： EZ-6000Plus
Type

系列型式： EZ-6200Plus; EZ-6300Plus; H-626; H-634(以下空白)
Series of the type

依據標準： CNS13438（95年）；CNSI4336（94年）
Standards

標準檢驗局或所屬分局發證
（本證經發證機關使用鋼印後生效）
This certificate shall be issued by BSMI or its branches.
(This certificate will become effective only when stamped with this BSMI seal.)

登錄日期：中華民國	九十六	年	五	月	二十八	日
Registration Date	2007	(year)	05	(month)	28	(day)
本證明書有效期限至	九十九	年	五	月	二十七	日
Expiration Date	2010	(year)	05	(month)	27	(day)
發證日期：中華民國	九十六	年	五	月	二十八	日
Date of issue	2007	(year)	05	(month)	28	(day)

（註：持本證書進口時，進口人須與本證書申請人相同）

中国国家强制性产品认证证书

证书编号：2007010904231219

申请人名称及地址

科诚股份有限公司
台湾台北县中和市连城路168号4楼

商标： GODEX, THARO

制造商名称及地址

科诚股份有限公司
台湾台北县中和市连城路168号4楼

生产企业名称及地址

科诚股份有限公司
台湾台北县中和市连城路168号4楼

产品名称和系列、规格、型号

桌上型商用条形码打印机

EZ-6xxxPlus (x= 0 - 9, 只用于区别销售客户，不影响产品的安全性及电磁兼容性), H-6xx (x-0-9, 只用于区别销售客户，不影响产品的安全性及电磁兼容性) 100-240VAC, 50-60Hz, 3.3A, Class I

产品标准和技术要求

GB4943-2001、GB9254-1998 (Class A)、GB17625.1-2003

上述产品符合强制性产品认证实施规则的要求，特发此证。

发证日期：2007年04月27日

本证书的有效性依据发证机构的定期监督获得保持

主 任：李收林

中国质量认证中心 CHINA QUALITY CERTIFICATION CENTRE

中国 · 北京 · 南四环西路188号9区100070 网址：www.cqc.com.cn

A 0329528